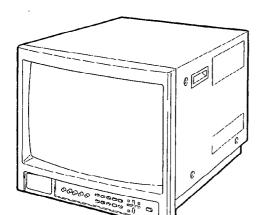
Service Manua



Colour Video Monitor

BT-M2090Y

Chassis No. BT

The service technician is required to read and follow the "Safety Precautions" and "Important Safety Notice" in this service manual.

Specifications

System:

NTSC 3.58MHz/NTSC 4.43MHz/PAL

Power Source: AC 230V (220~240V) 50/60Hz

Max Amps:

0.6A

Picture Tube:

50cm measured diagonally, 90° deflection, in-line gun, medium-high-definition cathode-ray, "tube" trio-dot type (dot pitch of 0.4mm), EBU standard phosphor

Audio Power

Output:

1.6W

Built-in

Speaker: 9×5 cm (3-9/16"×2") oval×1

Screen Size $(W\times H)$: 399mm×298mm

 $(15-11/16"\times11-3/4")$

Scanning Frequency:

H: 15.734kHz (NTSC 3.58/4.43MHz)

15.625kHz (PAL)

V: 59.94Hz (NTSC 3.58/4.43MHz)

50Hz (PAL)

Horizontal Resolution:

750 TV lines or more

Color

Temperature: 6500k; x=0.313, y=0.329

9300k; x=0.283, y=0.297

(selectable)

Video Inputs

Composite Video:

INPUT A, B (2 lines), BNC×2 each (with 1 bridge-connected output)

Termination switches provided 1.0 Vp-p. 75 Ω .

negative sync

Y/C:

Y/C (1 line), DIN (4-pin)×2

(with 1 bridge-connected output)

Termination switch provided

Y; 1.0Vp-p, 75Ω , negative sync

C (NTSC 3.58/4.43MHz);

 $0.286 \text{Vp-p}, 75\Omega$

C (PAL); 0.3Vp-p, 75Ω

Analog RGB:

RGB/COMPO (SDI)

(1 line: common with Y, R-Y, B-Y component)

BNC×6

(with 3 bridge-connected output)

Termination switches provided

R, B; 0.7Vp-p, 75Ω

G; 0.7Vp-p, 75Ω

G on sync; 1.0Vp-p, 75Ω , negative sync

Y, R-Y, B-Y Component:

RGB/COMPO

(1 line: common with analog RGB) Y; 1.0Vp-p, 75Ω , negative sync R-Y, B-Y; 0.7Vp-p, 75Ω

Panasonic

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△ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

External Sync Input:

SYNC (1 line)

BNC×2 (with 1 bridge-connected output) $0.2\sim4.0$ Vp-p composite sync, 75Ω , negative sync Termination switches provided

Audio inputs: AUDIO A, B RGB/COMPO (3 lines),

RCA×2 each

(with 1 bridge-connected output) 500mVrms, high impedance

Tally/Remote Terminal:

TALLY/REMOTE, DIN (8-pin)×1

Operation

Temperature: 0°C~+40°C (32°F~104°F)

(20~80% RH)

Dimensions

(W \times H \times D): 449mm \times 431mm \times 511mm

(17-3/4"×17"×20-1/8")

Weight: 30kg (66lbs)

Provided

Accessory: Power Cord×1

Specifications are subject to change without notice. Weight and dimensions shown are approximate.

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SAFETY PRECAUTIONS

- The design of this product contains special hardware, many circuits and components specially for safety purposes.
 For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified percented only.
- Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
- 3. Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. Electrical components having such features are identified by shading on the schematics and by (⚠) on the parts list in Service manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.
- Don't short between the LIVE side ground and ISOLAT-ED(NEUTRAL) side ground or EARTH side ground when repairing.

Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE: (⊥) side GND, the ISOLATED(NEUTRAL): (→) side GND and EARTH: (→) side GND. Don't short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or EARTH side GND and never measure with a measuring apparatus (oscilloscope etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND or EARTH side GND at the same time.

If above note will not be kept, a fuse or any parts will be broken.

- If any repair has been made to the chassis, it is recommended that the B1 setting should be checked or adjusted (See AD-JUSTMENT OF B₁ POWER SUPPLY).
- 6. The high voltage applied to the picture tube must conform with that specified in Service manual. Excessive high voltage can cause an increase in X-Ray emission, arcing and possible component damage, therefore operation under excessive high voltage conditions should be kept to a minimum, or should be prevented. If severe arcing occurs, remove the AC power immediately and determine the cause by visual inspection (incorrect installation, cracked or melted high voltage harness, poor soldering, etc.). To maintain the proper minimum level of soft X-Ray emission, components in the high voltage circuitry including the picture tube must be the exact replacements or alternatives approved by the manufacturer of the complete product.
- 7. Do not check high voltage by drawing an arc. Use a high voltage meter or a high voltage probe with a VTVM. Discharge the picture tube before attempting meter connection, by connecting a clip lead to the ground frame and connecting the other end of the lead through a 10kΩ 2W resistor to the anode button.
- 8. When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.

9. Isolation Check

(Safety for Electrical Shock Hazard)

After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screwheads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

(1) Dielectric Strength Test

The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 3000V AC (r.m.s.) for a period of one second.

(. . . . Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.)

This method of test requires a test equipment not generally found in the service trade.

(2) Leakage Current Check

Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.).

Alternate Check Method

Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000 ohms per volt or more sensitivity in the following manner. Connect a 1500Ω 10W resistor paralleled by a $0.15\mu F$ AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.35V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.).

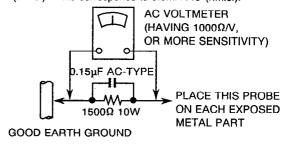


Fig.A

TERMINALS AND FEATURES (REAR)

CONTROLS AND FEATURES (FRONT)

OPERATING INSTRUCTIONS (Rear)

12

<u></u> 4

0 0

(9)

0

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ON THE SEC **(9**) **(9)**

- Dec (

0

0

6

<u></u>

က

7

Connect to an AC outlet (230 V(220 - 240 V) AC, 50/60 Power socket **((@** 4 (Front) 2 18 - § -9 § 🗖 **₽**□ 9 10 11 2 **∞** -{-@ 9 ည 10 BT-M2090Y 4 **1**0 m

Glows to indicate when a tally signal is input to the TALLY/REMOTE terminal on the rear panel.

Speaker 7

3 VOLUME control

Turn to adjust speaker volume. PHASE control

Turn to adjust picture hue, using natural skin colour as a

5 CHROMA control

Turn to adjust picture colour density according to your

BRIGHT control

Turn to adjust picture brightness according to your

Turn to adjust the picture contrast according to your 7 CONTRAST control

B UNDER SCAN switch

Push to display the whole picture on screen by reducing

PULSE CROSS switch

Push to check the retrace period (sync signal) by delaying input signal phase.

10 COLOR OFF switch

Push to eliminate colour signals and display a black-and-11 BLUE CHECK switch

Push to eliminate red and green colour signals and display a monochrome blue picture.

Push to adjust the picture by recalling the adjustment 12 MEMORY MODE switch data that you stored in memory.

Push to select a rear terminal video signal input. 13 INPUT SELECT switches

Push to synchronise the monitor with an external sync signal. This function is effective regardless of signal 14 EXT SYNC switch

15 MENU controls

ill DEGAUSS switch

Use to operate on-screen menu functions.

Push to demagnetise the picture tube.

17 POWER switch

Press to turn the power on or off. 18 POWER indicator

Input terminal of Y/C signals and bridge-connected

9 Y/C termination switch

output terminal.

Glows to indicate that power is on.

10 RGB/COMPO(SDI) terminals

analogue RGB signals, also accepts a G signal including Input terminal of analogue RGB signals or Y/B-Y/R-Y

II RGB/COMPO(SDI) termination switch

Functions as for 3

IZ AUDIO A terminals

Set to OPEN for bridged connection; set to 75 Ω for input

3 VIDEO A termination switch

connected output terminal. 2 VIDEO A terminals

Composite video signal input terminal and bridge-

4 VIDEO B terminals

signal only.

5 VIDEO B termination switch

connected output terminal.

Composite video signal input terminal and bridge-

Audio signal input terminal and bridge-connected output AUDIO A terminals and VIDEO A terminals are selected terminal. Linked with the VIDEO A terminals so that simultaneously

3 AUDIO B terminals

Audio signal input terminal and bridge-connected output that AUDIO B terminals and VIDEO B or Y/C terminals terminal. Linked with the VIDEO B or Y/C terminals so are selected simultaneously

External sync signal input terminal and bridge-connected

6 SYNC terminals

Functions as for 3.

output terminal. Input an external composite sync signal to these terminals when inputting a video signal without

a sync signal, or when synchronising the monitor with an

7 SYNC termination switch

Functions as for 3.

8 Y/C terminals

external sync signal.

国 AUDIO RGB/COMPO(SDI) terminals

Audio signal input terminal and bridge-connected outpur so that AUDIO RGB/COMPO(SDI) terminals and RGB/ terminal. Linked with the RGB/COMPO(SDI) terminals COMPO(SDI) terminals are selected simultaneously.

nel. Make sure to consult qualified service personnel for Adjustment hole exclusively for use by service person-**I** ■ FOCUS control

16 TALLY/REMOTE terminal

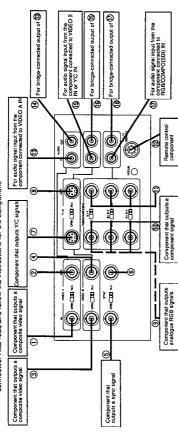
External input terminal of a tally signal to make the tally lamp glow, or of a remote-control signal to switch input

CONNECTION EXAMPLE



Be sure to turn off each component's power before connection.

 The connection shown below is only an example. Terminals and their functions differ in accordance with a component to be connected. Also read and follow the instructions for the component.



	1	I	1	r	ı	ı	ſ	r	I			ı_ i
Function	Input of a composite video signal	Bridge-connected output of (1)	Input of a composite video signal	Bridge-connected output of (3)	Input of an external sync signal	Bridge-connected output of (5)	Input of Y/C signals	Bridge-connected output of (1)	Input of analogue RGB signals	Input of a component signal	Bridge-connected output of (9) or (10)	Input of a tally signal or remote control signal
Terminal	VIDEO A IN	VIDEO A OUT	VIDEO B IN	VIDEO B OUT	SYNC IN	SYNC OUT	Y/C IN	Y/C OUT	RGB/COMPO(SDI) IN	RGB/COMPO(SDI) IN	RGB/COMPO(SDI) OUT	TALLY/REMOTE
Signal(s)	Composite video	Composite video	Composite video	Composite video	Composite sync	Composite sync	A/C	A/C	Analogue RGB	Component	Analog RGB or component	Tally/remote control
Г	Θ	0	0	⊕	9	ၜ	0	⊚	9	9	0	0

External/internal synchronisation -

Push the front panel EXT SYNC switch to ON, and the monitor operates to synchronise with an external sync signal input to the rear panel SYNC IN terminal.

Push the switch again to OFF, and the monitor operates to synchronise with a sync signal included in a video signal (if it includes a sync signal) input via a video input terminal.

RGB/COMPO(SDI) terminal setting --

Set RGB or COMPO. on screen to match the type of video signal input to the rear panel RGB/COMPO(SDI) IN terminals.

To input analogue RGB signals, set to RGB. To input Y, B-Y or R-Y signal, set to COMPO...

peration:

- 1. Press the front panel MENU button to call up the MENU display on screen
 - Press the ▲ or ▼ button to select RGB/COMPO(SDI).
- 3. Press the ◀ or ▶ button to set RGB or COMPO..

ASPECT RATIO 43
FILTER SELECT COMB
PEAKING FREC. 26MHZ
PEAKING LEVEL 3048
AFC COLON TEMP. 3500
NTSC SETUP. 30
COMPOLLEVEL 3MPTE
(MEMORY MODE)
PREB (COMPOLSO) 3438
自任前

BASIC OPERATION

1. To turn the power on: Push the POWER switch.

The POWER indicator glows green. The mode and colour system of an input signal are automatically discerned and displayed on screen for about 3 seconds, To turn off power, push the POWER switch again, and the POWER indicator goes off.

← Colour systen

PAL

VIDEO A ← Input mode

2. To select the input:

To select the input: Push an INPUT SELECT switch.

Push VIDEO A, VIDEO B, RGB/COMPO(SDI) or Y/C. The mode and colour system of a selected input signal are automatically discerned and displayed on screen for about 3 seconds.

3.To adjust the audio level:

Turn the VOLUME control to the right to increase the level, or to the left to decrease the level.

●Relation between input mode indication and signal input/terminal

apout troop	
indication	Signal input/terminal
VIDEO A	Composite video signal input to VIDEO A IN
VIDEO 8	Composite video signal input to VIDEO B IN
Y/C	Y/C signal input to Y/C IN
RGB	Analogue RGB signal input to RGB/COMPO(SDI) 1N
COMPO(SDI)	COMPO(SDI) Component signal input to RGB/COMPO(SDI) IN

Colour system indication

Indication	Indication Colour system	Colour sub-carrier	Vertical scanning
		frequency	trequency
NTSC	NTSC	3.58 MHz	50 Hz
PAL	PAL	4.43 MHz	50 Hz
N4.43	OSIN	4.43 MHz	60 Hz
B/W	(Indicates where	(Indicates when a black-and-white signal is input)	ignal is input)
NO SYNC	(Indicates where	NO SYNC (Indicates when no signal is input)	

To demagnetise the picture tube —

After positioning near the monitor a speaker (non-magnet-shielded) or other equipment that generates a strong magnetic field, or after relocating the monitor, colour patches could appear in the picture due to magnetisation of the picture tube. If this occurs, push the DEGAUSS switch to demagnetise the picture tube.



 This function is not effective if activated a second time after a very short time has elapsed. When degaussirg must be repeated, proceed after at least 10 minutes have passed since first degaussing.

PICTURE ADJUSTMENTS

Turn a separate front panel control to adjust picture contrast, picture brightness, picture colour density, and picture hue respectively:

CONTRAST (picture contrast)

Softer (Clearer

BRIGHT (picture brightness) -

Darker

CHROMA (picture colour density)

Thinner (Denser

PHASE (picture hue) -

blue picture without red/green signal

switch to display a monochrome

components. Turn the CHROMA (four, in the example below) blue bars have the same density and

and PHASE controls so that all

After inputting the colour bar signal, push the front panel BLUE CHECK

Purplish () Greenish

Blue	
ВІвск	
Blue	,
Black	
Blue	
Black	
Blue	

Each picture adjustment is effective for the following video signal input: Relation between picture adjustments and input video signals —

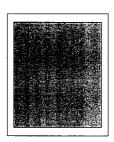
Signal	_	Composite	Composite video, Y/C		a C	COMPONENT
Control	NTSC	PAL	NTSC 4.43	B/W		
PHASE	Yes	8	Yes	No	N	ON
CHROMA	Yes	Yes	Yes	٥	ž	Yes
BRIGHT	Yes	Yes	Yes	Yes	Yes	Yes
CONTRAST	Yes	Yes	Yes	Yes	Yes	Yes

VIDEO SIGNAL CONTROLS

Push each switch to ON or OFF for video signal control.

UNDER SCAN -

area so the whole picture is displayed on screen. Use to check the picture Push the UNDER SCAN switch to reduce the dimensions of display

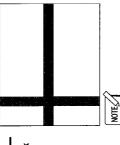


PULSE CROSS

To adjust the CHROMA and PHASE

controls more precisely, input the BLUE CHECK function as follows: colour bar signal and operate the

Push the PULSE CROSS switch to simultaneously display two blank vertical retrace line period, equalizing pulse period, vertical sync period, display) by delaying the phase of the input signal. Use to check the areas crossed horizontally and vertically on screen ("Pulse Cross" horizontal sync pulse, or burst signal.



This function is not effective for analogue RGB signal input.

 This function is not effective for NOTE

analogue RGB signal input.

COLOR OFF -

Push the COLOR OFF switch to display a black-and-white picture by inputting a luminance signal only. Use to check the noise contained in a luminance signal or white balance.

BLUE CHECK -

Push the BLUE CHECK switch to display a monochrome blue picture by eliminating red and green signal components. Use to check or adjust the CHROMA and/or PHASE controls.

ON-SCREEN MENU CONTROLS

By calling up the menu display on screen, various functions can be selected and set

Calling up the menu display, selecting an item -

- $oldsymbol{1}_{oldsymbol{\cdot}}$ Press the MENU button to call up the menu display on screen (see oxdot below). (Press again to make the display disappear.
- 2. Press the ▲ or ▼ button to select an item to be set. "▶" is indicated for the
- After selecting another item by pressing the ▲ or ▼ button, repeat step 3. 3. Press the ◀ or ▶ button to change the setting.
- 5. Press the MENU button to complete. The menu display disappears.

These settings are all kept in memory after power is turned off,

 When the menu display I (shown at state, you can also select the item or ENTER button. The display change: to [2] (shown below centre). In this left below) is on screen, press the

the indication moves up or down on each time the V button is pressed MENU button with display 2 or 3 When the display 2 is on screen, screen (the display 3). Press the while the ENTER button pressed, on screen, and the display is

■ If no operation occurs for about 5 minutes after calling up the menu display on screen, the display

	•	!				_		-		. "			
	:NORMAL												
	BAFC												
[_			_								<u> </u>	Q
												OBMAL	NORMAL®
												.	.
												O	O
						_						@AFC	(BAF
		?	COMB	CHITT C	Z.OWILE	7 mm.	DdB NORMAL	:0dB :NORMAL :6500	OdB NORMAL 6500	NORMAL S500 SMPTE	Odb NORMAL 6500 0 SMPTE	:OdB :NORMAL :6500 :0 :SMPTE	Odb :0db :6500 :0 :SMPTE :RGB
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	WENU .	Š	SELE	G FRE		G LEV	G LEV	IG LEV	IG LEV TEMP.	IG LEVEL	IG LEVEL LEVEL Y MODI	IG LEVI TEMP. SETUP LEVEL Y MODI	IG LEVI TEMP. TEMP. LEVEL IY MODI
	(MENU)	ASPEC	FILTER	PEAKIN		PEAKIN	PEAKING LEVEL	PEAK IN AFC COLOR	PEAKIN AFC COLOR NTSC S	PEAKIN AFC COLOR NTSC S	PEAKING LEVE AFC COLOR TEMP. NTSC SETUP COMPO. LEVEL (MEMORY MODE	PEAKING LEVEL AFC COLOR TEMP. COMPO. LEVEL COMPO. LEVEL CMENORY MODE>	PEAKIN PAFC COLOR NTSC S COMPO. (MEMOR RGB/CO
ı		•	_	_		_	_	_	A		1020	402002	

ASPECT RATIO (picture aspect ratio switching) –

The aspect ratio of the picture can be switched between 4:3 and 16:9. When switching to "16-9" on screen, the height of the picture is slightly reduced (see right).

€ 4:3

ო

Function	Standard picture aspect ratio (4:3)	Displays the picture in 16:9 aspect ratio	
Setting	4-3	16-9	

€ 16:9

FILTER SELECT (built-in filter selection)

4.43) is input to the monitor, either or both of two filters in the monitor can When a composite video signal of the NTSC system (excluding NTSC be activated.

Function	Reduces colour noise in NTSC video signals for clearer pictures.	Both comb and trap filters function at the same time.	Eliminates dot interference that would show up in the vertical boundary between two different colours.
Setting	COMB (comb filter) Reduces or pictures.	BOTH (both filters) Both comb	NOTCH (Trap filter) Eliminates

ON-SCREEN MENU CONTROLS (continued)

PEAKING FREQ./PEAKING LEVEL (picture quality improvement)—

Corrects the luminance signal to improve picture quality by changing peak frequency and/or peak level depending on the video signal input to the monitor. Use PEAKING FREQ. to set correction frequency. Use PEAKING LEVEL to set correction level.

Function	For composite video signal or Y/C signal.	For component video signal.	
 Setting (trequency)	2.6 MHz	5.0 MHz	

AFC (switching of time constant for the AFC) -

Set a higher level for correction to a higher degree.

Setting (level) 0 dB to +9 dBs Use to set the time constant for the AFC (auto fine-frequency control) to correct skew distortion of video signals input via a videotape recorder or other video equipment.

Function	Normal-speed correction.	Faster correction.	Slower correction.	
Setting	NORMAL	FAST	SLOW	

is added to the right of the setting to

indicate that the factory-preset

setting was changed.

white balance adjustment under the 15 for adjustment), the * indication

 By changing the default setting of SET-UP MENU display (see page

COLOR TEMP. (colour temperature switching)

Use to set the colour temperature of white balance.

Function			
	To 9300K.	To 6500K.	
Setting	9300	0059	

NTSC SETUP (NTSC set-up level) —

Use to set up the luminance signal level to match the configuration of the video signal input to the monitor.

Function	For video signal with 0% luminance signal	For video signal with 7.5% luminance signal	
Setting	0	7.5	

COMPO. LEVEL (chrominance level setting)-

Use to set the chrominance level of a component video signal.

composite video signal of the NTSC

system (excluding NTSC 4.43) is

input to the monitor

the indication appears only when a

The function can be operated and

NOTE

Function For component video signal input via an MII videotape recorder. For component video signal input (set-up level: 0%) via a BETACAM videotape recorder. For component video signal input (set-up level: 7.5%) via a BETACAM	Videotape recorder.
SMPTE BETA00 BETA75	

input to the monitor, the indications When analogue RGB signals are do not appear and the functions



:0dB :NORMAL :6500 * ASPECT RATIO 454 FILTER SELECT CO PEAKING LEVEL 10 AFC N NTSC SETUP 15 COMPOLIEVEL 15 COMPOLIEVE

SMPTE

85. (1)

(MEMORY MODE) RGB/COMPO(SDI)



operated only when a video signal of The item and setting are indicated on screen and the function can be the NTSC system is input to the



 The item and setting are indicated on screen and the function can be video signal is input to the monitor operated only when a component

MEMORY MODE (continued)

MEMORY MODE

A set of picture settings can be programmed in memory for quick recall when necessary.

Recall/release of memory mode

Press the MEMORY MODE switch to recall a set of picture settings programmed in memory.

Pressing the switch locks the functions of the front-panel PHASE, CHROMA, BRIGHT, CONTRAST controls, and remote-control picture adjustments not to be operated.

Press again to release memory mode.

The settings of the picture being monitored can be programmed in memory.

Setting programming of the picture being monitored -

- Settings of the CONTRAST, BRIGHT, CHROMA and PHASE controls on the Settings programmable in memory mode:
 - front panel
 - On-screen menu function settings (except RGB/COMPO(SDI)) Remote-control picture adjustment settings

8

Check the MEMORY MODE switch is off.

2. Press the MENU button.

- Press the ▲ or ▼ button to select MEMORY MODE. Then press the ENTER button.
 - 4. Press the ENTER button to programme.

Revision of memory mode -

Programmed picture settings can be revised if necessary. 1. Press the MEMORY MODE switch to activate memory mode.

2. Press the MENU button to call up display 1 on screen.

If you attempt to operate a locked function, "MEMORY MODE ON!!" appears on screen for approx. 2 seconds to indicate the function cannot be operated

display [2].

After making all settings on screen, press the MENU button to make display II

Press the ENTER button after selecting PICTURE ADJUSTMENT to call up

Press the ▲ or ▼ button to select a function to be revised.

(MEMORY MODE REVISE)
PCONTRAST :0
BRIGHT :0
PHSOMA :0
PHASE :0

7

NOTE

Adjustable CONTRAST, BRIGHT, CHROMA or PHASE range depends on each

4. Press the

or

button to change the set level.

that cannot be increased. MIN appears to indicate minimum level that cannot be set level previously stored in memory. MAX appears to indicate maximum level

Programmed picture settings are kept in merrory after the power is

(MEMORY MODE)	Are you sure? "Yes" then (ENTE) "No" then (Gor 19)
₹	7.5



Variable setting range

Variable setting range

decreased.

-20 to +20 -20 to +20

-20 to +20 -20 to +20

CONTRAST CHROMA BRIGHT PHASE

PICTURE

ADJUST-MENT

If the ENTER button is pressed after function after making a change in single-line one. To select another a function other than PICTURE screen display changes into a

 No matter what video signal is input, However, depending on the type of input video signal, some functions might not operate even if their all items appear on screen. settings are made.

MODE F ADJUSTA MATIO RELECT FREG. FREG. LEVEL WP.						
	REVISE	rMENT :4-3		:0dB :NORMAL	:6500	SMPTE
K K ING C SE C SE	>	~ ~	FILTER SELECT PEAKING FREG.		COLOR TEMP.	COMPO. LEVEL

Default set level

function, press the MENU button to restore display []. ADJUSTMENT is selected, the on-

> 2.6MHz NORMAL

SMPTE 6500 뭥

SMPTE BETA00 BETA75

NTSC SETUP COMPO, LEVEL

COLOR TEMP.

NORMAL FAST SLOW

6500

9300

0dB + 1dB ··· +9dB

2.6MHz 5.0MHz

PEAKING FREQ. ASPECT RATIO

PEAKING LEVEL FILTER SELECT

COMB

COMB BOTH NOTCH

6.9

53

4:3

5. With display I on screen, press the MENU button to make display I appear. •Press the ENTER button to programme.

●Press the

or

button to cancel.

MEMORY MODE REVISE Are you sure? "Yes" then BMEB "No" then ¶ or 🖺 3

The second contract the second

SET-UP FOR MONITOR INSTALLATION

When installing the monitor, make set-up adjustments required for the picture setlings to match conditions where the monitor is to be used

To call up SET-UP MENU and select a function: —

f 1. To make f II (SET-UP MENU) appear, with the ENTER button pressed, press the MENU button.

〈SET-UP MENU〉
〈SET-UP MENU〉
► WHITE BALANCE ADJUST
FRANTE SELECT
STATUS DISPLAY:ON
CONTROL LOCK : GPF

- (To set STATUS DISPLAY or CONTROL LOCK, steps 3 and 4 are not Press the ▲ or ▼ button to select an adjustment item. necessary.)
- ${f 3.}$ Press the ENTER button to call up the adjustment menu ${f Z}$ of a selected item (e.g. WHITE BALANCE)
- 4. Press the ▲ or ▼ button to select a function to be adjusted.
 - 5. Press the ◀ or ▶ button to change the setting.
- **6.** With the display \blacksquare on screen, press the \blacktriangle or \blacktriangledown button to select another function and repeat step 5.
- 7. Press the MENU button to complete. SET-UP MENU disappears.
 - To make [1] (SET-UP MENU) disappear:

Press the MENU button.

◆ To make 2 (e.g. WHITE BALANCE) disappear:

Press the MENU button twice.

WHITE BALANCE)
PRED DRIVE : 0
GREEN DRIVE : 0
BLUE DRIVE : 0
RED CUTOFF : 0
GREEN CUTOFF : 0
BLUE CUTOFF : 0

NOTE

 Each time the MENU button is pressed, the previous menu is

SIZE/CENTERING (size/positioning adjustments of RGB signal pictures) —

For analogue RGB video signal pictures, horizontal size, vertical size, horizontal positioning and vertical positioning can be finely adjusted.

 SIZE/CENTERING appears and the monitoring the picture of analogue

NOTE

function is operable only when

RGB video signals.

	·····	Ι	Γ'		1
Function	+ moves the picture to right moves the picture to left.	+ moves the picture down. - moves the picture up.	+ makes the picture wider makes the picture narrower.	+ makes the picture higher makes the picture lower.	
Adjustment (level)	H. POSITION (-10, -9 0 +9, +10)	V. POSITION (-10, -9 0 +9, +10)	H. SIZE (-10, -9 0 +9, +10)	V. SIZE (-10, -9 0 +9, +10)	

SET-UP FOR MONITOR INSTALLATION (continued)

WHITE BALANCE ADJUST (white balance adjustments) ——

Before making these adjustments, select the colour temperature 9300K or 6500K on MENU.

ments on SET-UP MENU, *appears

to the right of the COLOR TEMP. By making white balance adjust-

setting on MENU

Adjustment (level)	Function
RED DRIVE (-10, -9, 0 +9, +10)	Adjusts the drive level of a red signal component.
GREEN DRIVE (-10, -9, 0 +9, +10)	Adjusts the drive level of a green signal component.
BLUE DRIVE (-10, -9, 0 +9, +10)	Adjusts the drive level of a blue signal component.
RED CUTOFF (-10, -9, 0 +9, +10)	Sets the cut-off voltage of a red signal component.
GREEN CUTOFF (-10, -9, 0 +9, +10)	Sets the cut-off voltage of a green signal component.
BLUE CUTOFF (-10, -9, 0 +9, +10)	Sets the cut-off voltage of a blue signal component.

REMOTE SELECT (TALLY/REMOTE-terminal settings)

CNTL-1:UNDER SCAN
CNTL-2:ASPECT RATIO

(REMOTE SELECT)

Via the TALLY/REMOTE terminal, the tally lamp can be turned on/off, or a function (selected from display 3 shown on the right) can be operated using an external control.

INPUT setting indications and selected inputs

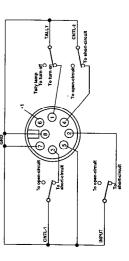
A + + A A A A A A A A A A A A A A A A A	ו ווי	A A YIC	E A+→B A+→Y A A A B Y/C	* A A A A A A A A A A A A A A A A A A A
	A A A COM	A A A A A A A A A A A A A A A A A A A	2	* A A A A A A A A A A A A A A A A A A A

CNTL-1/CNTL-2 setting indications and set positions

Catting							300	ממספר מיינים מספריים ויינים ליינים מיינים מיינים אמיינים אום וערד ויינים מיינים אום ויינים מיינים מי	T TOUR IN
indication	NOT USE 1	UNDER SCAN	PULSE CROSS	COLOR OFF	BLUE CHECK	UNDER SCAN PULSE CROSS COLOR OFF BLUE CHECK EXTERNAL SYNC ASPECT RATIO COLOR TEMP.	ASPECT RATIO	COLOR TEMP.	AUDIO MUTE
Short-circuit	*	NO	NO	NO	NO	External	16-9	6500	Š
pen-circuit	*	OFF	OFF	OFF	PFO	internal	4-3	9300	H _O

●TALLY/REMOTE terminal functions

circuiting any pin from Pin 1 to 4 and either Pin 7 or 8 (GND each) of this terminal. When using this terminal, be sure to short-circuit Pin 5 and either Pin 7 or 8. All controls via TALLY/REMOTE terminal are made by short-circuiting or open-



■ When the TALLY/REMOTE terminal become deactivated (except when - Front INPUT SELECT and EXTSYNC is used, the following functions they are set to "NOT USE");

Front UNDER SCAN, PULSE CROSS, COLOR OFF and BLUE CHECK

On-screen MENU's ASPECT RATIO and If a function is applied to both CNTL. 1 and CNTL-2, CNTL-1 has priority COLOR TEMP. functions.

power is on. (Do not short-circuit pln outputs DC 5 V when the monitor's 11: Pin 6 is DC power output pin. It 6 directly to ground.) MENU and/or SET-UP MENU settings including added changes can be reset (initialised)

PICTURE SETTING INITIALISATION

For factory-presets on the MENU

MENU settings (except MEMORY MODE and RGB/COMPO(SDI)) can

be exclusively reset:

Fo initialise MENU settings only —

to their factory-preset conditions.

With the ▼ button pressed, press the MENU button to display [1] on screen.

2. ● Press the ENTER button to reset.● Press the ▲ or ▶ button to cancel.

NOTE

'MENU DISPLAY CHART".

SET-UP FOR MONITOR INSTALLATION (continued)

STATUS DISPLAY (setting the status display to on/off) —

When the power is turned on or the input mode is switched, the status display (colour system and input mode) appears on screen. The display can be set to on or off.

Function	Status display appears.	Status display does not appear.
Setting	NO	OFF

CONTROL LOCK (deactivation of front-control functions) -

Set CONTROL LOCK to ON on screen to deactivate the front-control functions (front VOLUME control and remote volume control are operable).

Setting	Function
100	Deactivates the front controls
5	(except front/remote volume controls).
OFF	Releases deactivated functions.

NOTE

 If you attempt to operate a locked function, "CONTROL LOCK ONII" appears on screen for approx, 2 seconds to indicate the function cannot be operated.

vated, the current settings of the front-control knobs and buttons are activated.

If the power is turned off with

CONTROL LOCK activated, the

function is kept in memory.

Once CONTROL LOCK is deacti-

"Yes" then HIER No" then Hor P

(MENU) RESET
Are you sure ?

To initialise both MENU/SET-UP MENU settings —

MENU and SET-UP MENU settings other than MEMORY MODE and

RGB/COMPO(SDI) can be reset at the same time.

1. Press the POWER switch to turn the power off.

2. With the ▼ and MENU buttons pressed, press the POWER switch to turn the power on. Keep pressing the ▼ and MENU buttons until [2] appears on

 Press the ▲ or ▼ button to select SET-UP MENU RESET. Then press the ENTER button to display ③ on screen.

4. ● Press the ENTER button again to execute.
 ● Press the ◀ or ▶ button to cancel.

* The function of "ID NOMBER SET" can" use.

(INI TI ALIZE MENU)
IO NUMBER SET

IO SET-UP MENU> RESET

BETE

(SET-UP MENU) RESET
Are you sure?
'Yes' then (MEN)
'No'' then (I OF (MEN))

7

6

--- 10 -

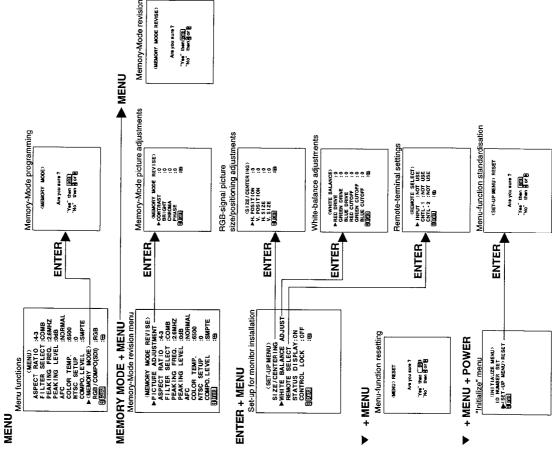
BEFORE CALLING FOR SERVICE

Before concluding a problem has occurred, check the following points. If the problem persists after carrying out the checks, disconnect the power cord from the AC outlet and consult the dealer from whom you purchased the monitor.

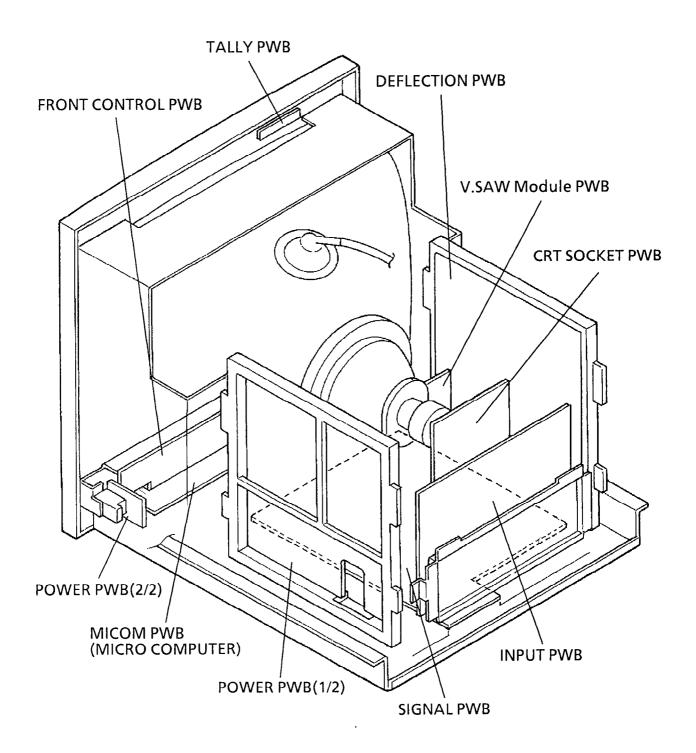
Problems	Points to be checked	Measures
Inoperable adjustment controls or buttons.	Is MEMORY MODE switched on?	Switch off.
	Is CONTROL LOCK activated?	Deactivate it.
Abnormal picture adjustments with all controls at centre.	Are PICTURE ADJUSTMENT of MEMORY MODE REVISE menu setting changed?	Reset to standard settings.
Inoperable picture synchronisation.	Is EXT SYNC switched on?	Switch to off.
No sound via audio signal input.	Does the audio input terminal match the video input terminal?	Each audio input terminal is linked with a video input terminal.
No INITIALIZE MENU display.	Are you pressing the ▼ and MENU buttons until it appears?	Keep pressing these buttons until it appears.
Inoperable CNTL-2 external control via TALLY/REMOTE terminal.	Is a function applied common to CNTL-1 and CNTL-2?	Set other functions to CNTL-2.

MENU DISPLAY CHART

Adjustments or settings preset at the factory are shown in the menus.

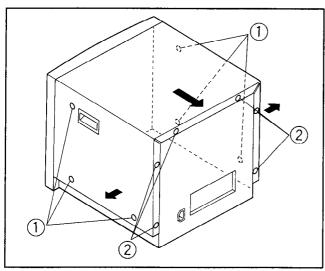


MAIN PARTS LOCATION



SPECIFIC SERVICE INSTRUCTIONS

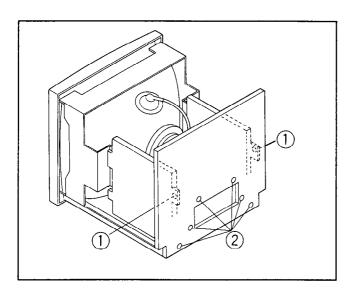
Disassembly



 Be sure to disconnect the power cord from the AC outlet before disassembly and reassembly. Use care since unless the power cord is disconnected, some parts may still be live even when the power switch is off.

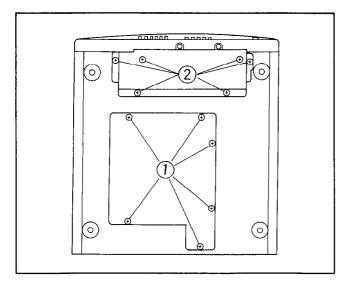
■ Top cover

- 1. Take out 6 screws ① and 6 screws ②.
- Slightly spread the bottom part of the cover, shift it rearward and raise the top cover to remove it.



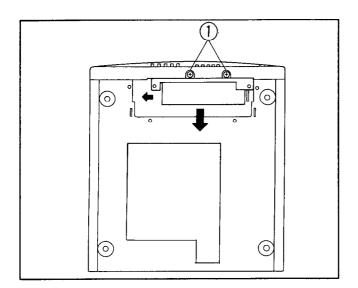
■ Rear panel

- 1. Remove the top cover.
- Take out 2 screws ① and 6 screws ② to remove the rear panel.



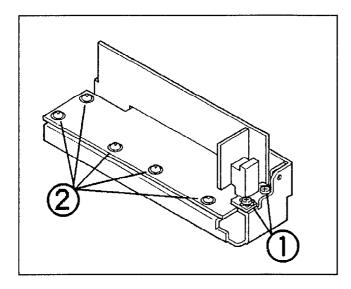
■ Bottom shield and shield cover

- 1. Remove the top cover and rear panel.
- 2. Take out 6 screws ① and remove the bottom shield.
- 3. Take out 6 screws @ and remove the shield cover.



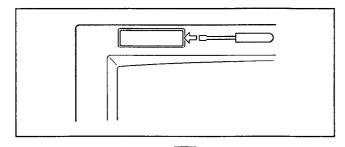
Front control brackets

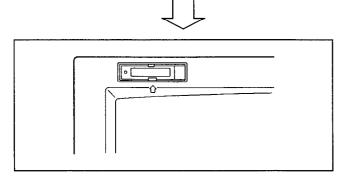
- 1. Remove the shield cover.
- 2. Take out 2 screws ①.
- Slide each bracket slightly toward the left, then pull downward to remove.



■ Power switch, front control PWB, CPU PWB

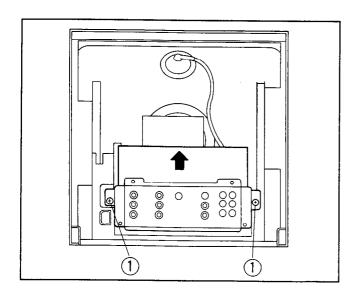
- 1. Remove the front control brackets (including CPU PWB).
- 2. Take out 2 screws ① and remove the power switch.
- 3. Take out 5 screws ② and remove the front control and CPU PWBs.
- 4. Disengage the connectors of the two PWBs.





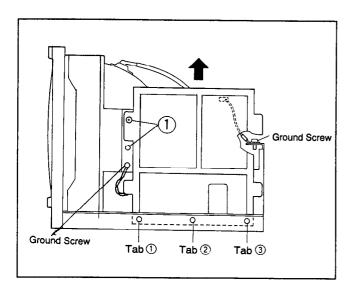
■ Tally PWB

- While using care not to scratch the front panel, insert a flat blade screwdriver into the edge of the tally cover and remove the cover.
- 2. Since the tally PWB appears, press the top and bottom tabs downward with the screwdriver.
- 3. Pull the PWB downward to tilt and remove the PWB.



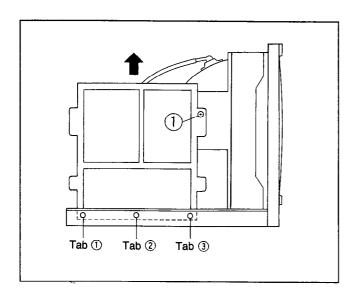
■ Input PWB

- 1. Remove the top cover and rear panel.
- 2. Take out 2 screws ①.
- While pressing the lower signal PWB, pull upward and remove the input PWB. Use care regarding the tabs and engage the PWB to enable powered checks.



■ Power supply PWB

- 1. Remove the top cover and rear panel.
- 2. Take out 2 screw ①.
- 3. While raising the PWB, insert a screwdriver or similar tool to disengage tabs 1, 2 and 3, then remove the PWB.



■ Deflection PWB

- 1. Remove the top cover and rear panel.
- 2. Take out 1 screw ①.
- 3. While raising the PWB, insert a screwdriver or similar tool to disengage tabs 1, 2 and 3, then remove the PWB.

REPLACEMENT OF CHIP COMPONENT

ECAUTIONS

- 1. Avoid heating for more than 3 seconds.
- 2. Do not rub the electrodes and the resist parts of the pattern.
- 3. When removing a chip part, melt the solder adequately.
- 4. Do not reuse a chip part after removing it.

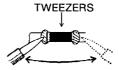
SOLDERING IRON

- 1. Use a high insulation soldering iron with a thin pointed end of it.
- 2. A 30w soldering iron is recommended for easily removing parts.

EREPLACEMENT STEPS

1. How to remove Chip parts

- •Resistors, capacitors, etc
- (1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.



(2) Shift with tweezers and remove the chip part.



- •Transistors, diodes, variable resistors, etc
- (1) Apply extra solder to each lead.



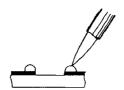
(2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.



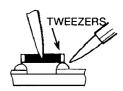
Note: After removing the part, remove remaining solder from the pattern.

2. How to install Chip parts

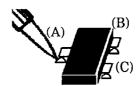
- •Resistors, capacitors, etc
- (1) Apply solder to the pattern as indicated in the figure.

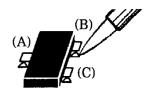


(2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.



- •Transistors, diodes, variable resistors, etc
- Apply solder to the pattern as indicated in the figure.
- (2) Grasp the chip part with tweezers and place it on the solder.
- (3) First solder lead A as indicated in the figure.
- (4) Then solder leads B and C.





Service menu entry

- 1. While holding Enter depressed, press Degauss.
- 2. The letter S appears at the upper left of the screen.
- 3. While holding Enter depressed, press Menu.
- The screen display changes to <SERVICE MENU > PLEASE, DON'T TOUCH!
- Press the left (←) or right arrow (→) to display the service menu.

If Step 4 state continues for more than 5 seconds without a further operation, the display extinguishes and the mode is released.

Item selection

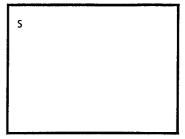
- While the service main menu is displayed:
- 1. Press the up [\uparrow] or down arrow [\downarrow] to select the item.
- 2. After selecting the item, press Enter.
- 3. The adjustment mode menu is displayed.

Setting value change

- While the adjustment mode menu is displayed:
- Press the right arrow [→] to change the setting value in the + direction
- Press the left arrow [←] to change the setting value in the direction.
- 3. Press the up [↑] or down arrow [↓] to change the adjustment item number.

Service menu exit

- 1. When settings are completed, press Menu.
- 2. The service main menu returns.
- 3. Again press Menu.
- The screen display extinguishes and the service mode is exited.



<SERVICE MENU>

PLEASE, DON'T TOUCH!

<SERVICE MENU>

SIGNAL BLOCK
WITE BALANCE BLOCK
DEFLECTION BLOCK
CONTROL BLOCK

Service main menu

SERVICE (S01): 015

Adjustment mode menu

SERVICE (S01): 015

Adjustment item number

Setting value

■ Signal system settings

No.	Input	Signal	ltem	Data type	Variable range	Initial value
S01			Bright	Standard value	0~63	15
S02	Video	NTSC	Chroma	Standard value	0~63	32
S03	Video	NTSC	Phase	Standard value	0~63	32
S04	Video	NTSC	Contrast	Standard value	0~63	32
S05	Video	PAL	Chroma	Standard value	0~63	32
S06	Video	PAL N443	Contrast	Standard value	0~63	32
S07	Video Y/C	N443	Phase	Standard value	0~63	32
S08	Y/C	NTSC	Chroma	Standard value	0~63	32
S09	Y/C	NTSC	Phase	Standard value	0~63	32
S10	Y/C	NTSC PAL N443	Contrast	Standard value	0~63	32
S11	Y/C	PAL	Chroma	Standard value	0~63	32
S12	Color difference	N10/ SMPTE	Chroma	Standard value	0~63	32
S13	Color difference		Contrast	Standard value	0~63	32
S14	RGB		Contrast	Standard value	0~63	32
S15	Video	N443	Chroma	Correction value	0~255	3
S16	Y/C	N443	Chroma	Correction value	0~255	3
S17	Color difference	ВЕТА	Chroma	Correction value	0~255	247
S18			Bright →pulse cross	Correction value	0~255	20
S19			Contrast →pulse cross	Correction value	0~255	236
S20			Bright →underscan	Correction value	0~255	0
S21			Contrast →underscan	Correction value	0~255	252
S22			Bright →16:9	Correction value	0~255	0
S23			Contrast →16:9	Correction value	0~255	250
S24	Video	SECAM	Chroma	Standard value	0~63	32
S25	Video	SECAM	Contrast	Standard value	0~63	32
S26	Y/C	SECAM	Chroma	Standard value	0~63	32

No.	Input	Signal	Item	Data type	Variable range	initial value
S27	Y/C	SECAM	Contrast	Standard value	0~63	32
S28			Peak Drive Limit	Fixed value	0~255	50
S29			Control Reg - 1	Fixed value	0~255	193
S30			Control Reg - 2	Fixed value	0~255	0
S31	Video	NTSC,B/ W 60	Y Delay	Fixed value	0~255	65
S32	Y/C	NTSC,B/ W 60	Y Delay	Fixed value	0~255	73
S33	Video	PAL,B/W 50	Y Delay	Fixed value	0~255	82
S34	Y/C	PAL,B/W 50	Y Delay	Fixed value	0~255	82
S35	Video	N443	Y Delay	Fixed value	0~255	82
S36	Y/C	N443	Y Delay	Fixed value	0~255	82
S37	Video	SECAM	Y Delay	Fixed value	0~255	82
S38	Y/C	SECAM	Y Delay	Fixed value	0~255	82
S39	Color difference		Y Delay	Fixed value	0~255	64

■ White balance settings

No.	Color temperature	Scan	Item	Data type	Variable range	Initial value
W01	9300	Normal	R - Cutoff	Standard value	0~63	37
W02	9300	Normal	G - Cutoff	Standard value	0~63	25
W03	9300	Normal	B - Cutoff	Standard value	0~63	23
W04	9300	Normal	R - Drive	Standard value	0~63	34
W05	9300	Normal	G - Drive	Standard value	0~63	32
W06	9300	Normal	B - Drive	Standard value	0~63	30
W07	6500	Normal	R - Cutoff	Standard value	0~63	48
W08	6500	Normal	G - Cutoff .	Standard value	0~63	25
W09	6500	Normal	B - Cutoff	Standard value	0~63	12
W10	6500	Normal	R - Drive	Standard value	0~63	37
W11	6500	Normal	G - Drive	Standard value	0~63	32
W12	6500	Normal	B - Drive	Standard value	0~63	24

No.	Color temperature	Scan	Item	Data type	Variable range	Initial value
W13	3200	Normal	R - Cutoff	Standard value	0~63	Not used(32)
W14	3200	Normal	G - Cutoff	Standard value	0~63	Not used(32)
W15	3200	Normal	B - Cutoff	Standard value	0~63	Not used(32)
W16	3200	Normal	R - Drive	Standard value	0~63	Not used(32)
W17	3200	Normal	G - Drive	Standard value	0~63	Not used(32)
W18	3200	Normal	B - Drive	Standard value	0~63	Not used(32)
W19		Under	R - Cutoff	Correction value	0~255	0
W20		Under	G - Cutoff	Correction value	0~255	0
W21		Under	B - Cutoff	Correction value	0~255	0
W22		Under	R - Drive	Correction value	0~255	0
W23		Under	G - Drive	Correction value	0~255	0
W24		Under	B - Drive	Correction value	0~255	0
W25		16:9	R - Cutoff	Correction value	0~255	0
W26		16:9	G - Cutoff	Correction value	0~255	0
W27		16:9	B - Cutoff	Correction value	0~255	0
W28		16:9	R - Drive	Correction value	0~255	0
W29		16:9	G - Drive	Correction value	0~255	0
W30		16:9	B - Drive	Correction value	0~255	0

■ Deflection system settings

No.	Scan	Input	V. frequency		Item	Variable range	Initial value
D01	Normal	Video	60Hz	V-Size	→Standard value	0~63	38
D02	Normal	Video	60Hz	V-Shift	→Standard value	0~63	32
D03	Normal	Video	60Hz	V-Linearity	→Standard value	0~15	7
D04	Normal	Video	60Hz	S-Correction	→Standard value	0~15	15
D05	Normal	Video	60Hz	H-Size	→Standard value	0~63	32
D06	Normal	Video	60Hz	H-Shift	→Standard value	0~63	32
D07	Normal	Video	60Hz	Pin-AMP	→Standard value	0~63	30
D08	Normal	Video	50Hz/60Hz	HV-COMP-V	→Standard value	0~7	7
D09	Normal	Video	50Hz/60Hz	HV-COMP-H	→Standard value	0~7	0
D10	Normal	Video	50Hz	V-Size	→Standard value	0~255	40
D11	Normal	Video	50Hz	V-Shift	→Standard value	0~255	29
D12	Normal	Video	50Hz	V-Linearity	→Standard value	0~255	8
D13	Normal	Video	50Hz	S-Correction	→Standard value	0~255	15
D14	Normal	Video	50Hz	H-Size	→Standard value	0~255	33
D15	Normal	Video	50Hz	H-Shift	→Standard value	0~255	32
D16	Normal	Video	50Hz	Pin-AMP	→Standard value	0~255	30
D17	Under	Video	50Hz/60Hz	V-Size	→Correction value	0~255	230
D18	Under	Video	50Hz/60Hz	V-Shift	→Correction value	0~255	0
D19	Under	Video	50Hz/60Hz	V-Linearity	→Correction value	0~255	0
D20	Under	Video	50Hz/60Hz	S-Correction	→Correction value	0~255	0
D21	Under	Video	50Hz/60Hz	H-Size	→Correction value	0~255	0
D22	Under	Video	50Hz/60Hz	H-Shift	→Correction value	0~255	253
D23	Under	Video	50Hz/60Hz	Pin-AMP	→Correction value	0~255	2
D24	Under	Video	50Hz/60Hz	HV-COMP-V	→Correction value	0~255	0
D25	Under	Video	50Hz/60Hz	HV-COMP-H	→Correction value	0~255	0
D26	16:9	Video	50Hz/60Hz	V-Size	→Correction value	0~255	0
D27	16:9	Video	50Hz/60Hz	V-Shift	→Correction value	0~255	0
D28	16:9	Video	50Hz/60Hz	V-Linearity	→Correction value	0~255	0
D29	16:9	Video	50Hz/60Hz	S-Correction	→Correction value	0~255	0
D30	16:9	Video	50Hz/60Hz	H-Size	→Correction value	0~255	0

No.	Scan	Input	V. frequency		Item	Variable range	Initial value
D31	16:9	Video	50Hz/60Hz	H-Shift	→Correction value	0~255	0
D32	16:9	Video	50Hz/60Hz	Pin-AMP	→Correction value	0~255 .	0
D33		RGB	60Hz	V-Shift	→Correction value	0~255	0
D34		RGB	60Hz	H-Shift	→Correction value	0~255	0
D35		RGB	50Hz	V-Shift	→Correction value	0~255	0
D36		RGB	50Hz	H-Shift	→Correction value	0~255	0
D37	Pulse Cross		50Hz/60Hz	V-Shift	→Correction value	0~255	0
D38	Pulse Cro	oss	50Hz/60Hz	H-Shift	→Correction value	0~255	0
D39	External	SYNC	50Hz/60Hz	V-Shift	→Correction value	0~255	0
D40	External	SYNC	50Hz/60Hz	H-Shift	→Correction value	0~255	0
D41	TILT		50Hz/60Hz	TILT	→Fixed value	0~255	16
D42	U/L Corn	ner Pin	50Hz/60Hz	U/L CORNI	ER PIN →Fixed value	0~255	255
D43	V-BOW/V	-ANGLE	50Hz/60Hz	V-BOW/V-A	NGLE →Fixed value	0~255	136

■ Control system setting

No.	Item	Variable range	Initial value	Remarks
C01	Color TEMP. Default	0~255	1	Color temperature initial setting 1:6500K,2:9300K
C02	Menu display time	0~255	0	Menu display time 0: extinguish after 5 minutes, 1: continuous
C03	OSDC Color	0~255	7	On-screen color setting, power off/on needed after changing (see table next page)
C04	OSDC H.Position	0~255	5	On-screen H. position 0 - 15
C05	OSDC V.Position (60Hz)	0~255	1	On-screen V. position (60 Hz) 0 - 15
C06	OSDC V.Position (50Hz)	0~255	2	On-screen V. position (50 Hz) 0 - 15
C07	Bright Data to MAX	0~255	20	Effective brightness range from center detent to maximum
C08	Bright Data to MIN	0~255	20	Effective brightness range from center detent to minimum

No.	ltem	Variable range	Initial value	Remarks
C09	Chroma Data to MAX	0~255	30	Effective chroma range from center detent to maximum
C10	Chroma Data to MIN	0~255	50	Effective chroma range from center detent to minimum
C11	Contrast Data to MAX	0~255	20	Effective contrast range from center detent to maximum
C12	Contrast Data to MIN	0~255	20	Effective contrast range from center detent to minimum
C13	Phase Data to MAX	0~255	30	Effective phase range from center detent to maximum
C14	Phase Data to MIN	0~255	30	Effective phase range from center detent to minimum
C15	Signal	0~255	10	Signal Status display check time when signal change or display after data x 32 ms when counter is 0 - 127, not displayed when 127 - 255
C16	System detect	0~255	0	0: automatic, 1: 3.58 MHz, 2: 4.43 MHz

No.	On-screen color setting data	No.	On-screen color setting data
129	Blue	0	Black (darkens during blue check)
130	Green	1	Black (brightens during blue check)
131	Aqua	2	Green (darkens during blue check)
132	Red	3	Green (brightens during blue check)
133	Magenta	4	Red (darkens during blue check)
134	Yellow	5	Red (brightens during blue check)
135	White	6	Orange (darkens during blue check)
136	Black	7	Orange (brightens during blue check)

Set-up menu entry

- 1. While holding Enter depressed, press Menu.
- 2. The Set-up menu is displayed on the screen.

Item selection

■ Size/centering, white balance adjust, remote select

- Size/centering items are displayed only when RGB input is selected.
- Press the up [↑] or down arrow [↓] to select Size/Centering items.
- 2. After selecting the item, press Enter.
- 3. The adjustment mode menu is displayed.
- Again press Enter to display the adjustment mode submenu for each adjustment item (select adjustment item with up [↑] or down arrow [↓]).
- Press Menu to display the original adjustment mode menu.
- Perform in the same manner for White balance adjust and Remote select.

■ Status display

- Press the up [↑] or down arrow [↓] to select the status display items.
- 2. Press the left $[\leftarrow]$ or right arrow $[\rightarrow]$ to select on/off.

■ Control lock

- Except for sound volume, all control operations are inhibited from the front control buttons, Phase, Chroma, Bright and Contrast controls, and the remote controller (sound volume remains operational).
- Press the up [↑] or down arrow [↓] to select Control
 Lock
- 2. Press the left [←] or right arrow [→] to select on/off.
- The status just prior to selecting On is held and after exiting the set-up main menu, control adjustment is inhibited.
- To release the control lock, press Enter and Menu to display the set-up main menu, then set Control Lock to Off.

<SET-UP MENU>

► SIZE/CENTERING

WHITE BALANCE ADJUST

REMOTE SELECT

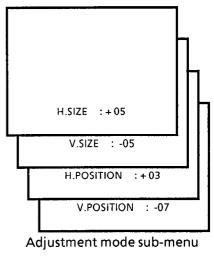
STATUS DISPLAY: ON

CONTROL LOCK: OFF

Set-up main menu

<SIZE/CENTERING> H.SIZE :+05 V.SIZE :-05 H.POSITION :+03 V.POSITION :-07

Adjustment mode menu



H.SIZE→V.SIZE→H.POSITION→V.POSITION

↑

Setting value change

- Set for displaying the adjustment mode menu or the adjustment mode sub-menu.
- Press the right arrow [→] to change the adjustment value in the + direction.
- 2. Press the left arrow [←] to change the adjustment value in the direction.
- Press the up [↑] or down arrow [↓] to change the adjustment item.
- 4. Press Menu to return the set-up main menu. (At the adjustment mode sub-menu, again press Menu.)

Set-up menu exit

- 1. When settings are complete, press Menu.
- The screen display extinguishes and the set-up menu is exited.

Set-up menu checks

■ White balance

To check if adjustment has changed:

- 1. Press Menu to display the user main menu.
- 2. If an asterisk (*) appears at the Color Temp. item, the setting has been changed.

■ Set-up menu initialize

To return changed Size/Centering and White Balance Adjust to original status (initialize);

- Hold the mainframe down arrow [] and Menu depressed, and set power on (inoperable from remote controller).
- 2. The initialize menu is displayed (hold depressed until menu appears).
- 3. Select Set-up Menu Reset and press Enter.
- 4. The set-up reset menu is displayed.
- Press Enter to return the standard settings. Note that Remote Elect, Status Display and Control Lock are initialized and ID No. is cleared to 0.

< MENU>

ASPECT RATIO :4-3

COLOR TEMP. :6500*

RGB/COMPONENT : RGB

User main menu

< INITIALIZE MENU >

ID NUMBER SET ► <SET-UP MENU > RESET

Initialize menu

<SET-UP MENU> RESET
Are you sure ?
"Yes" then [ENTER]
"No" then [←]or[→]

Set-up reset menu

Memory IC replacement notes

This model uses non-volatile memory ICs. When these are replaced, the data must be reset.

Video and deflection system data are stored in IC103. If this is replaced without entering the data, a normal picture will not be obtained. When replacing, be sure to use an IC(ST24BM-1400) containing the (initial value) data.

■ Set-up menu record

Press Menu and at the menu display, check if an asterisk (*) appears after Color Temp. If the asterisk appears, the user has set the values according to personal preference. To the extent possible, make a memo of the setting values before replacing the IC.

■ IC replacement steps

- 1. To the extent possible, make a memo of the set-up menu and adjustment mode menu contents.
- Switch off the power and disconnect the power cord from the outlet.
- 3. Replace IC103.
- Reconnect the power cord to the outlet and switch power on
- 5. Refer to the memo and enter the setting values.
- Perform adjustments according to the adjustment items.

SERVICE ADJUSTMENTS

PRIOR TO STARTING ADJUSTMENT

- 1. Supply power to the set and measuring instruments and allow to warm up for at least 30 minutes.
- 2. Confirm the proper AC power voltage is being supplied.
- 3. Use care not to disturb controls and switches not mentioned in the adjustment items.
- 4. Refer to adjustment settings and set user operated controls (BRIGHT, CONTRAST, PHASE, CHROMA, etc.) to the indicated positions.

TOOLS AND FIXTURES FOR ADJUSTMENT

- DC voltmeter (digital voltmeter)
- Oscilloscope
- Signal generator (PAL/NTSC systems)

Color bar and split color bar patterns

Crosshatch pattern

Cross pattern

Red raster pattern

Green raster pattern

Blue raster pattern

Philips pattern (including R-Y and B-Y)

TV resolution pattern

Remote control unit (RM-C550W)

Color analyzer

High voltage meter

Desirable

Desirable

Adjustments easier if available

Desirable

Desirable

Switched not depressed

ADJUSTMENT SETTINGS

1. Front controls

PHASE Detent
CHROMA Detent
BRIGHT Detent
CONTRAST Detent
VOLUME MIN

2. Front switches

INPUT SELECT VIDEO A

EXT SYNC INT
UNDER SCAN OVER
PULSE CROSS OFF

COLOR OFF COLOR
BLUE CHECK OFF
MEMORY MODE OFF

3. Menu screen

ASPECT RATIO 4 - 3
FILTER SELECT COMB
PEAKING FREQ. 2.6MHz
PEAKING LEVEL 0dB

AFC NORMAL

6500

0

COLOR TEMP.

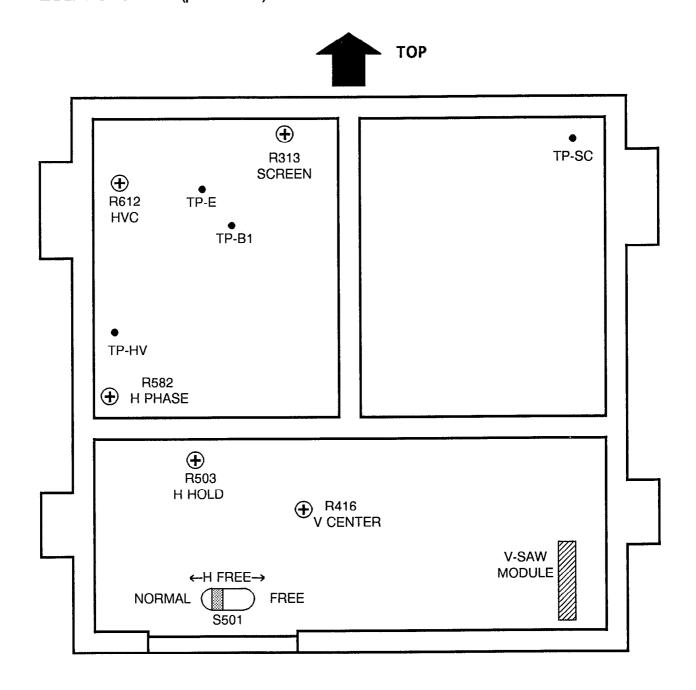
NTSC SETUP

COMPO. LEVEL SMPTE RGB/COMPONENT RGB

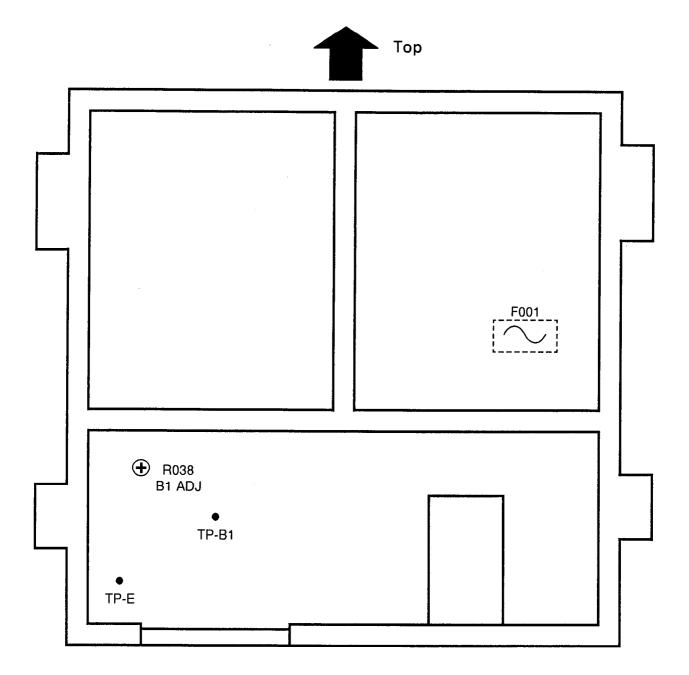
— 27 **—**

ADJUSTMENT LOCATIONS

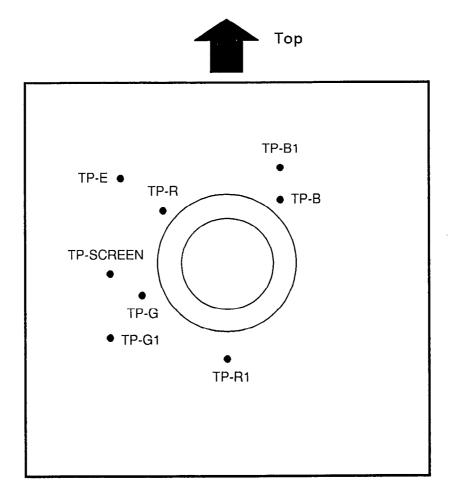
■ DEFLECTION PWB (pattern side)



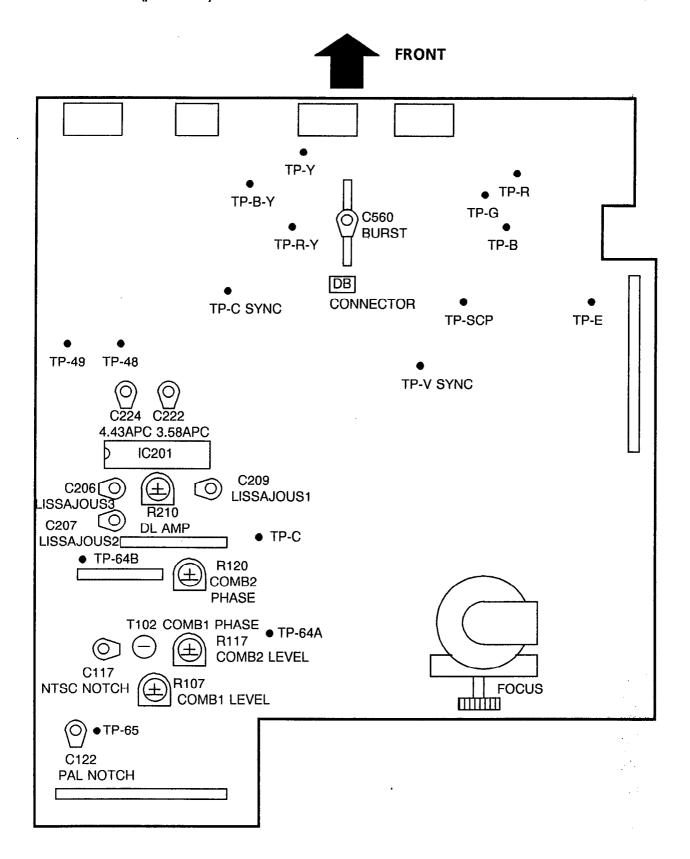
■ Power PWB (pattern side)



■CRT socket PWB (pattern side)



■SIGNAL PWB (parts side)



■HOW TO CHECK THE HIGH VOLTAGE HOLD CIRCUIT

1. HIGH VOLTAGE HOLD DOWN CIRCUIT

After repairing of the high voltage hold down circuit shown in Fig. 1.

This circuit shall be checked to operate correctly.

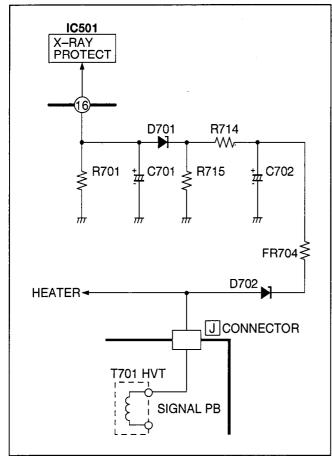


Fig. 1

2. CHECKING OF THE HIGH VOLTAGE HOLD DOWN CIRCUIT

- 1) Make sure that power switch is at OFF position.
- 2) Connect the High Voltage Meter to the CRT Anode.
- 3) Input the NTSC crosshatch pattern.
- 4) Turn the power switch ON.
- 5) Turn Brightness and Contrast controls to the minimum.
- 6) Turn the power switch OFF.
- 7) Remove the G connector in the Deflection PB and connect the self-making service equipment #2.
- 8) Connect the self-making service equipment #1 to the G1 connector than turn the power switch of the monitor ON.
 - Be sure that the switch of the equipment must be OFF position.
- 9) Set the DC power supply 85V then turn the equipment switch ON.
- 10) Gradually increase the DC voltage from 85V. Confirm the High Voltage will disappear at the voltage between 27.0~29.0kV. After confirming, turn the power switch of the monitor OFF.

- 11) Turn the service equipment #1 switch OFF then disconnect the equipment from the G1 connector.
- 12) Disconnect the service equipment #2 from the G connector then put the G connector back the original condition.

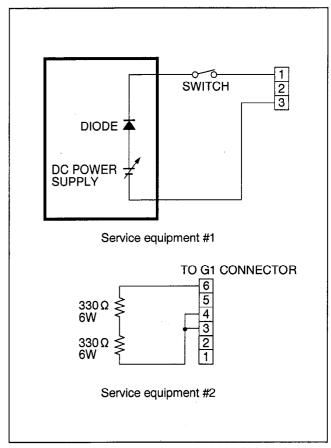


Fig. 2

* Notice

- While checking, sometimes the picture may roll vertically or the picture may be back. It is no effect to check this circuit.
- Self-making service equipments.
 - Service equipment #1:

The DC power supply requires to have over 1A DC current.

Use the diode RG4C/RU30/RU3AM/RU4AM or the same type.

• Service equipment #2:

The total resistance must be 660Ω .

The total reted power (W; wattage) must be over 12W.

ADJUSTING STEP

ltem	Test equipment	Test points	Adjustment locations	Adjustment procedure
B1 voltage check	Voltmeter Variable transformer	TP-B1 TP-E	R038 (B1 adj) [Power PBW]	 Set power supply voltage to 198 V. Set contrast and bright to minimum and produce a black screen. Connect voltmeter between TP-B1 and TP-E. Switch on power. Adjust R038 (B1 adj) to set the B1 voltage to 85.0 ± 0.2 V. Set the power supply voltage to 264 V. Check for B1 voltage of 85.0 ± 0.2 V. Return the contrast and bright controls to the detent positions.
High voltage check	High voltage meter Signal generator (All-black signal)			 Set the Ext Sync switch to Ext. Connect a synchronization signal to Ext Sync. When the raster appears, reduce the bright control. Connect the high voltage meter to the anode and check for 24.0 - 25.0 KV. Return the Ext Sync switch to Int.
v.deflection center	Signal generator (Resolution pattern)		D02(NTSC V SHIFT) [SERVICE MENU] R416(V CENTER) [Deflection PWB]	 Perform after purity adjustment. Adjust deflection yoke inclination. At service menu, set D02 to 32. Adjust R416 (V phase) to align the picture center with the CRT center.
Screen	Oscilloscope Signal generator (Color bar)	TP-SC	R313 (SCREEN) [Deflection PWB]	 Connect oscilloscope to TP-SC. Adjust R313 (Screen) to set the screen voltage to 450 ± 10 V.
Focus	Signal generator (Resolution pattern)		FOCUS VR [HVT]	 Adjust the Focus VR for optimum focus where moire is not apparent. Darken the picture and and adjust the focus by turning counter-clockwise from the position where focus is poor. Alternately repeat the above steps to obtain the optimum position. Focus can be adjusted easily by displaying the menu.
H frequency	Signal generator (Resolution pattern)		D06(H SHIFT) [SERVICE MENU] S501 (H FREE SW) R503(H HOLD) [Deflection PWB]	 At the service menu, set D06 to 32. Set S501 (H Free SW) to Free. Adjust screen sync with R503 (H Hold). Set S501 (H Free SW) to Normal. Change the signal, then return the previous signal. Confirm absence of sync disturbance.
H center (NTSC)	Signal generator (Resolution pattern)		D06(H SHIFT) [SERVICE,MENU] R582(H PHASE) [Deflection PWB]	At the service menu, set D06 to 32. Adjust R582 (H Phase) to align the picture center with the CRT center.

Item	Test equipment	Test points	Adjustment locations	Adjustment procedure
нус	Voltmeter Signal generator (All-black signal)	TP-HV	R612(HVC) [Deflection PWB]	 Set Ext Sync to Ext and supply a horizontal sync signal input. When the raster appears, reduce the Bright control. Connect the voltmeter to TP-HV. Adjust R612 (HVC) for 2.0 ± 0.1 V.
H gain (NTSC)	Signal generator (Resolution or crosshatch pattern)		D05(H SIZE) D21(H SIZE) D22(H SHIFT) [SERVICE MENU]	 At the service menu, set D05 to adjust the horizontal size to 95 %. Set the Scan Size to Under. Set D21 to 00. Set D22 to 253. Return the Scan Size to normal.
H center H gain (PAL)	Signal generator (Resolution or crosshatch pattern)		D15(H SHIFT) D14(H SIZE) [SERVICE MENU]	 Adjust D15 to align the picture center with the CRT center. Adjust D14 to set the horizontal size to 95 %.
V gain, V center, V linearity (NTSC)	Signal generator (Resolution pattern)		D03(V LINEARITY) D01(V SIZE) D17(V SIZE) D19(V LINEARITY) D18(V SHIFT) [SERVICE MENU]	 Check that the horizontal line of the video signal center is at the CRT center (if shifted, adjust R416). Adjust the picture vertical linearity (scan ratio) with D03. Adjust the screen top and bottom edges to 95 % with D01. Set the Scan Size to Under. Set D17 to 230. Set D18 to 00. Return the Scan Size to normal.
V gain, V center, V linearity (PAL)	Signal generator (Resolution pattern)		D11(V SHIFT) D12(V LINEARITY) D10(V SIZE) [SERVICE MENU]	 Adjust D11 to align the video signal center with the CRT center. Adjust the picture vertical linearity (scan ratio) with D12. Adjust the screen top and bottom edges to 95 % with D10.
Side pincushion (NTSC/PAL)	Signal generator (Crosshatch NTSC/PAL)		D07(PIN AMP) D23(PIN AMP) D16(PIN AMP) [SERVICE MENU]	 Adjust side pincushion with D07 so that A = B. Set the Scan Size to Under. Adjust side pincushion with D23 so that A = B. Supply a PAL crosshatch input. Return the Scan Size to normal. Adjust side pincushion with D16 so that A = B.

Item	Test equipment	Test points	Adjustment locations	Adjustment procedure
Comb filter (NTSC)	Oscilloscope Signal generator (Color bar)	TP-64A TP-64B	R107 (COMB1 LEVEL) T102 (COMB1 PHASE) R117(COMB2 LEVEL) R120(COMB2 PHASE) [Signal PWB]	1. Set the menu Filter Select to Comb. 2. Connect oscilloscope to TP-64A. 3. Alternately adjust R107 and T102 to minimize the chroma component. Minimize chroma component 4. Connect oscilloscope to TP-64. 5. Alternately adjust R117 and R120 to minimize the chroma component.
Notch filter	Oscilloscope Signal generator (Color bar NTSC/PAL)	TP-65	C117 (NTSC NOTCH) C122 (PAL NOTCH) [Signal PWB]	 Set the menu Filter Select to Notch. Connect oscilloscope to TP-65. Adjust C117 to minimize the chroma component. Supply a PAL color bar input. Adjust C122 to minimize the chroma component.
Color sync (NTSC)	Signal generator (Color bar) 10 KΩ resistor Shorting fixture		C222(3.58APC) [Signal PWB]	 Connect a 10 KΩ resistor between IC201 pin 13 and +B (12 V). Connect a shorting fixture between IC201 pin 14 and ground. Adjust to synchronize the color bar with C222. Remove the resistor and shorting fixture. Change the input signal, then return the color bar. Confirm absence of sync disturbance.

Item	Test equipment	Test points	Adjustment locations	Adjustment procedure
APC (PAL)	Oscilloscope Signal generator (Color bar, split color bar) 10 ΚΩ resistor 5.6ΚΩ resistor Shorting fixture	TP-48 TP-49	C224(4.43APC) R210(DL AMP) C206(LISSAJOUS 3) C207(LISSAJOUS 2) C209 [Signal PWB]	 Connect a 10 KΩ resistor between IC201 pin 13 and +B (12 V). Connect a shorting fixture between IC201 pin 14 and ground. Connect a 5.6KΩ resistor between IC201 pin 8 and ground. Adjust to synchronize the color bar with C224. Remove the resistor and shorting fixture. Connect an oscilloscope to TP-48 and TP-49 and display X-Y coordinates. Adjust R210 and C206 to obtain the waveform indicated in the figure. If inadequate, adjust C207 and C209. Adjust R210 and C206 to the input and adjust C224 to minimize coloration in the R-Y and B-Y components.
Pulse cross	Signal generator (Color bar NTSC/PAL)		R570(V.SYNC) [Signal PWB]	 Set the pulse cross switch to on. Adjust R570 to eliminate luminance and burst signal variation in the V blanking period. Supply a PAL color bar input. Confirm absence of luminance and burst signal variation in the V blanking period. Again supply an NTSC color bar input and again confirm absence of luminance and burst signal variation in the V blanking period. If variation is present, again adjust R570. Set the pulse cross switch to off.
Chroma and phase (Video input, NTSC)	Oscilloscope Signal generator (Color bar)	TP-B [CRT socket PWB]	S02(CHROMA) S03(PHASE) [SERVICE MENU]	 Supply an NTSC color bar to Video A. Set the menu Filter Select to Notch. Connect oscilloscope to TP-B. Alternately adjust S02 and S03 to obtain a straight line waveform. Set Filter Select to Comb.

Item	Test equipment	Test points	Adjustment locations	Adjustment procedure
Contrast (Video input, NTSC)	Oscilloscope Signal generator (Color bar)	TP-G [CRT socket PWB]	S04 (CONTRAST) [SERVICE MENU]	 Supply an NTSC color bar input to Video A. Set the Color Off switch to off. Connect oscilloscope to TP-G. Adjust the waveform level to 24 Vp-p with S04. Set the Color Off switch to Color.
Chroma (Video input, PAL)	Oscilloscope Signal generator (Color bar)	TP-B [CRT socket PWB]	S05 (CHROMA) [SERVICE MENU]	Supply an NTSC color bar input to Video A. Connect oscilloscope to TP-G. Adjust S05 to obtain a straight line waveform.
Contrast (Video input, PAL)	Oscilloscope Signal generator (Color bar)	TP-G [CRT socket PWB]	S06 (CONTRAST) [SERVICE MENU]	 Supply an NTSC color bar input to Video A. Set the Color Off switch to off. Connect oscilloscope to TP-G. Adjust the waveform level to 24 Vp-p with S06. Set the Color Off switch to Color.
Phase (Video input,NTSC 4.43)	Oscilloscope Signal generator (Color bar NTSC 4.43)	TP-B [CRT socket PWB]	S07 (PHASE) [SERVICE MENU]	Supply an NTSC 4.43 color bar input to Video A. Connect oscilloscope to TP-G. Adjust S07 to obtain a straight line waveform.

Item	Test equipment	Test points	Adjustment locations	Adjustment procedure							
Chroma and phase (Y/C input, NTSC)	Oscilloscope Signal generator (Color bar)	TP-B [CRT socket PWB]	S08 (CHROMA) S09(PHASE) [SERVICE MENU]	 Supply an NTSC color bar input to Y/C In. Set the menu Filter Select to Notch. Connect oscilloscope to TP-B. Alternately adjust S08 and S09 to obtain a straight line waveform. Set Filter Select to Comb. 							
Contrast (Y/C input, NTSC)	Oscilloscope Signal generator (Color bar)	TP-G [CRT socket PWB]	S10 (CONTRAST) [SERVICE MENU]	 Supply an NTSC color bar input to Video A. Set the Color Off switch to off. Connect oscilloscope to TP-G. Adjust the waveform level to 24 Vp-p with S10. Set the Color Off switch to Color. 							
Chroma (Y/C input, PAL)	Oscilloscope Signal generator (Color bar)	TP-B [CRT socket PWB]	S11 (CHROMA) [SERVICE MENU]	Supply a PAL color bar input to Video A. Connect oscilloscope to TP-B. Adjust S11 to obtain a straight line waveform.							
Chroma (Component Input, NTSC)	Oscilloscope Signal generator (Color bar)	TP-B [CRT socket PWB]	S12 (CHROMA) [SERVICE MENU]	 Set the menu RGB/Component to Component. Supply an NTSC color bar input to Component In. Connect oscilloscope to TP-B. Adjust S12 to obtain a straight line waveform. Return the menu RGB/Component to original setting. 							

ltem	Test equipment	Test points	Adjustment locations	Adjustment procedure
Contrast (Component input, NTSC)	Oscilloscope Signal generator (Color bar)	TP-G [CRT socket PWB]	S13 (CONTRAST) [SERVICE MENU]	 Set the Brightness control to minimum. Set the menu RGB/Component to Component. Supply an NTSC color bar input to Component In. Set the Color Off switch to off. Connect oscilloscope to TP-G. Adjust the waveform level to 32 Vp-p with S13. Set the Color Off switch to Color. Return the menu RGB/Component to original setting.
Contrast (RGB input, NTSC)	Oscilloscope Signal generator (Color bar)	TP-G [CRT socket PWB]	S14 (CONTRAST) [SERVICE MENU]	1. Supply an NTSC color bar input to RGB In. 2. Connect oscilloscope to TP-G. 3. Adjust the waveform level to 32 Vp-p with S14. 32 Vp-p
Color temperature (9300 K)	Signal generator (Resolution pattern, color bar) Color analyzer or color temperature meter		W01 (R CUTOFF) W02 (G CUTOFF) W03 (B CUTOFF) W04(R DRIVE) W05(G DRIVE) W06(B DRIVE) [SERVICE MENU]	 Supply a resolution pattern input. Check that the menu Color Temp. is 9300. Set the Color Off switch to off. Set W01 to 18, W03 to 21, W05 to 32, and W02 to 25. Adjust W04 and W06 for the specified color temperature (reference: W04 = 25, W06 = 25) (X = 0.283, Y = 0.297) Supply a color bar input (black and white). Check for proper white balance tracking. If deviated in the dark components, adjust with W01 and W03. Adjustment with color temperature meter: Apply the sensor to the CRT, adjust and measure. If deviated, repeatedly adjust and measure to obtain the specified color temperature.

Item	Test equipment	Test points	Adjustment locations	Adjustment procedure
Color temperature (6500 K)	Signal generator (Resolution pattern, color bar) Color analyzer or color temperature meter		W07 (R CUTOFF) W09 (B CUTOFF) W10(R DRIVE) W11 (G DRIVE) W12(B DRIVE) [SERVICE MENU]	 Supply a resolution pattern input. Set the menu Color Temp. to 6500. Set the Color Off switch to off. Set W07 to 25, W09 to 11, and W08 to 25. Set W11 to 32. Adjust W10 and W12 for the specified color temperature (reference: W10 = 28, W12 = 21) (X = 0.313, Y = 0.329) Supply a color bar input (black and white). Check for proper white balance tracking. If deviated in the dark components, adjust with W07 and W09. Return the menu Color Temp. to original setting. Adjustment with color temperature meter: Apply the sensor to the CRT, adjust and measure. If deviated, repeatedly adjust and measure to obtain the specified color
Bright	Signal generator (Split color bar)		S01 (BRIGHT) [SERVICE MENU]	Adjust S01 to where the split color 0 % black component faintly brightens. Supply another signal and confirm absence of black deviation.
On screen menu	Signal generator (color bar)		NTSC SETUP COMPO. LEVEL COLOR TEMP. [Menu screen]	 Press the MENU button to display the menu screen. Set the NTSC SETUP item to 7.5. Set the COMPO. LEVEL item to BETA75. set the COLOR TEMP. item to 6500. Again press the MENU button to release the menu screen.

Item	Test equipment	Test points	Adjustment locations	Adjustment procedure
Purity adjustment	Degaussing coil Signal generator(green raster, red raster,blue raster, cross pattern signals) (Example)	Yv, Ybh, Yht co	Purity magnets Convergence magnets	 Be sure to degauss using the degaussing coil. Carefully remove the wedges. Peel the adhesive from the 6 magnets to allow turning the magnets. Supply an green raster signal input. Loosen the deflection yoke securing screw and slide the yoke fully rearward to produce a red
	Deflection Wedges (3) Adhesiv	/I DV	securing	circle display. 6. Overlap the long with short tabs of the 2 purity magnets and position these horizontally. *Set the 2 purity magnets horizontally. Long-short Short-long
	Magnet lock Puri	ty magnets	6 pole convergence magnets	Align horizontally (Fig.2) 7. Adjust the rotational angle between the tabs to produce a green circle at the center of the screen. Green circle
	Note: Do not o	disturb Yv, Ybh	and Yht	Set the green area at the (Fig.3) 8. Supply a cross pattern input and check for
				deviation of the vertical center position.If deviated, while maintaining the angle between the tabs, rotate the magnets to center the vertical position to the extent possible. Front Vertical center
			·	position (slight indentation) Set the indentations near the horizontal line(tolerance about ± 5 mm) (Fig.4)

Item	Test equipment	Test points	Adjustment locations	Adjustment procedure
				 9. Repeat steps 7 and 8. 10. Supply an all green signal input and shift the deflection yoke forward to where he overall screen is a green single color. 11. Also check the red and blue single color rasters. 12. Suitably tighten the deflection yoke securing screw to prevent forward to rearward shifting.
Static (center) convergence adjustment	Signal generator(crosshat ch)		Deflection yoke Wedges Convergence magnets	1. Supply a crosshatch pattern input. 2. Move the deflection yoke up, down, left and right to roughly adjust the perimeter convergence. Temporarily secure with one wedge at the top. Rear Wedge (Fig.5) 3. Use the 4 pole magnets to overlap red and blue at the picture center to produce magenta. 4. Use the 6 pole magnets to overlap the green lines with the magenta. 5. If required, repeat steps 1 and 2. Open 2 tabs Turn together while holding the angle between tabs
				between tabs (Fig.6)

Item	Test equipment	Test points	Adjustment locations	Adjustment procedure						
Dynamic (perimeter) convergence adjustment	upware	BLUE GREEN directions when	RED GREEN BLUE RED yoke is tilted	 Supply a crosshatch pattern input. Remove the wedge temporarily securing the deflection yoke. Wobble the deflection yoke vertically and set the convergence deviation as indicated in Fig.7.Again temporarily secure by inserting a wedge at the top. Wobble the deflection yoke left and right and set the convergence deviation as indicated in Fig.8. Alternately repeat steps 2 and 3 and adjust for minimum convergence deviation. Front GREEN GREEN BLUE BLUE GREEN BLUE BLUE GREEN BLUE BLUE GREEN BLUE BLUE						
		(Fig.7)		(Fig.8)						
After completing convergence adjustment	Double sided tape Adhesive		Wedges Magnet lock	1. Insert the wedges as shown in Fig.9. Anode cap Wedge Securing with 3 wedges (Fig.9) Note: Double sided tape is applied to the wedges. Peel off the covering to secure. Do not reuse old wedges, replace them. Wedge part number: CE40764-00A 2. Tighten the deflection yoke securing screw. 3. Apply adhesive to secure the 6 magnets as indicated in Fig.1.						

Schematic Diagram and P.W. Boards

IMPORTANT SAFETY NOTICE

THE SHADED AREA ON THIS SCHEMATIC DIAGRAM INCORPORATES SPECIAL FEATURES IMPORTANT FOR PROTECTION FROM X-RADIATION, FIRE AND ELECTRICAL SHOCK HAZARDS.

WHEN SERVICING, IT IS ESSENTIAL THAT ONLY MANUFACTURER'S SPECIFIED PARTS BE USED FOR THE CRITICAL COMPONENTS IN THE SHADED AREAS OF THE SCHEMATIC.

ENOTE ON USING CIRCUIT DIAGRAMS

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1. SAFETY

The components identified by the \triangle symbol and shading are critical for safety. For continued safety replace safety critical components only with manufactures recommended parts.

2. SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

(1) Input signal : PAL Color bar signal

(2) Setting positions of each knob/button

and variable resistor : Original setting position

when shipped

(3) Internal resistance of tester : DC $20k\Omega/V$ (4) Oscilloscope sweeping time : H $\Rightarrow 20\mu$ S/div

: V ⇒5mS/div

: Others ⇒Sweeping time is

specified

(5) Voltage values : All DC voltage values

* Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3. INDICATION OF PARTS SYMBOL [EXAMPLE]

● In the PW board : R1209→R209

4. INDICATIONS ON THE CIRCUIT DIAGRAM

(1) Resistors

Resistance value

 $\begin{tabular}{lll} No unit & : [\Omega] \\ K & : [K\Omega] \\ M & : [M\Omega] \\ \hline \bullet & Rated allowable power \\ \end{tabular}$

No indication : 1/6 [W]
Others : As specified

Type

No indication : Carbon resistor

OMR : Oxide metal film resistor
MFR : Metal film resistor
MPR : Metal plate resistor
UNFR : Uninflammable resistor
FR : Fusible resistor

* Composition resistor 1/2 [W] is specified as 1/2S or Comp.

(2) Capacitors

Capacitance value

1 or higher : [pF] less than 1 : [μF]

• Withstand voltage

No indication : DC50 [V]

Others : DC withstand voltage [V]
AC indicated : AC withstand voltage [V]

* Capacitors

47/50 [Example]: Capacitance value [µF]/withstand voltage [V]

Type

No indication : Ceramic capacitor MY : Mylar capacitor

MM : Metalized mylar capacitor
PP : Polypropylene capacitor

MPP : Metalized polypropylene capacitor

MF : Metalized film capacitor
TF : Thin film capacitor
BP : Bipolar electrolytic capacitor

TAN : Tantalum capacitor

(3) Coils

No unit : $[\mu H]$ Others : As specified

(4) Power Supply

:B1 :B2 (12V) :5V

(5) Test Point

: Test point
: Only test point display

(6) Connecting method

: Connector
: Wrapping or soldering
: Receptacle

(7) Ground symbol

: LIVE side ground

: ISOLATED (NEUTRAL) side ground

≟ : EARTH ground

∴ : DIGITAL ground

^{*} Respective voltage values are indicated.

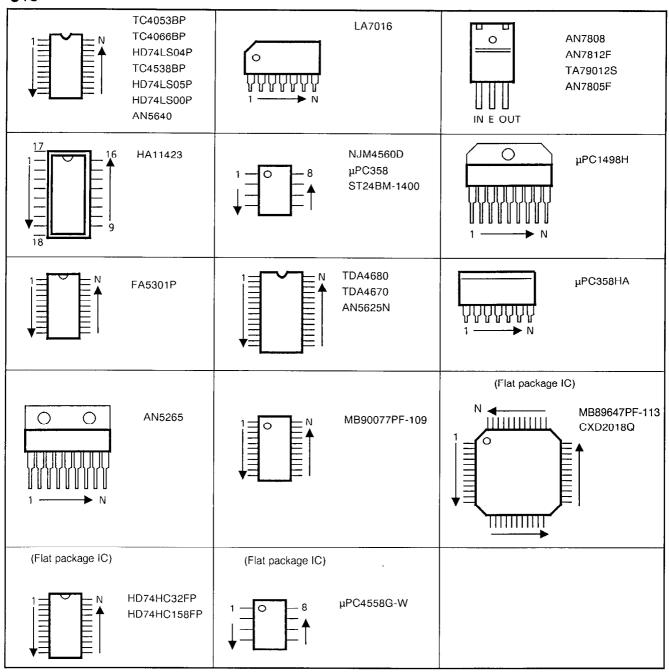
5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE: (\bot) side GND and the ISOLATED(NEUTRAL): ($\cancel{+-}$) side GND. Therefore, care must be taken for the following points.

- (1) Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. If the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.
- (2) Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected, a fuse or any parts will be broken.
- Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.

■ SEMICONDUCTOR SHAPES

• IC

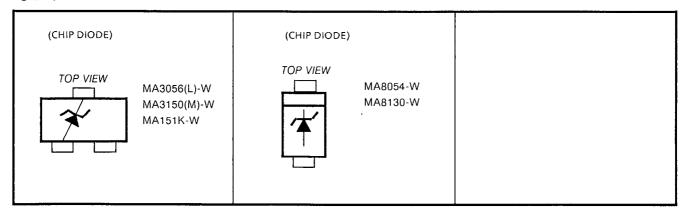


D: III.

• TRANSISTOR

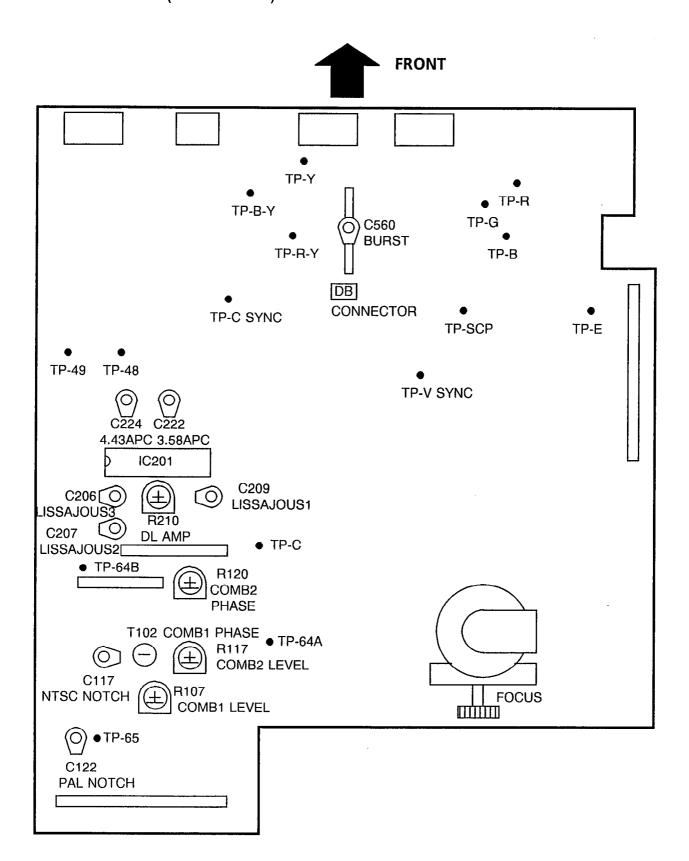
* [Bottom View] E C B 2SC1740S(R) 2SC3311A(Q)-T	2SC3334 2SA1321 E 2SC1472K C 2SA1370(E) B 2SA562TM 2SC3187-T 2SC1959(Y) [Bottom View] 2SA1309 2SC1815(YG)-T	2SC4632 B C E
2SC4589-C1 B C E	O 2SD1408 2SD1409 B C E	O 2\$K1118
2SC4544 B C E	2SC4502 E C B	(CHIP TRANSISTOR) C 2SC2712(YG) TOP VIEW B E
(CHIP FET) G 2SK374(Q) TOP VIEW S D		

DIODE

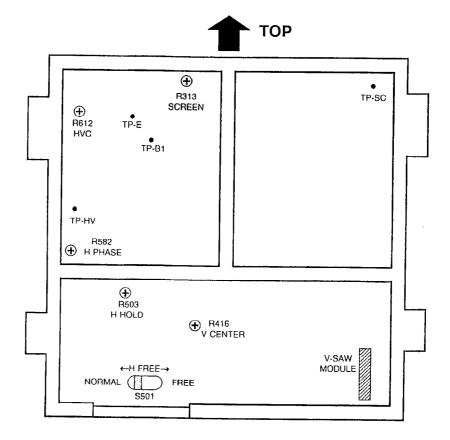


ALIGNMENT LOCATION

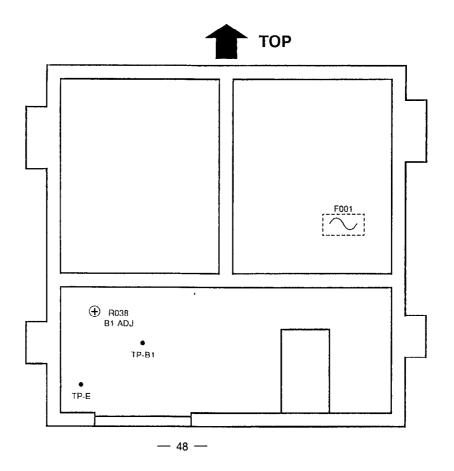
• SIGNAL PWB (PARTS SIDE)



• DEFLECTION PWB (PATTERN SIDE)

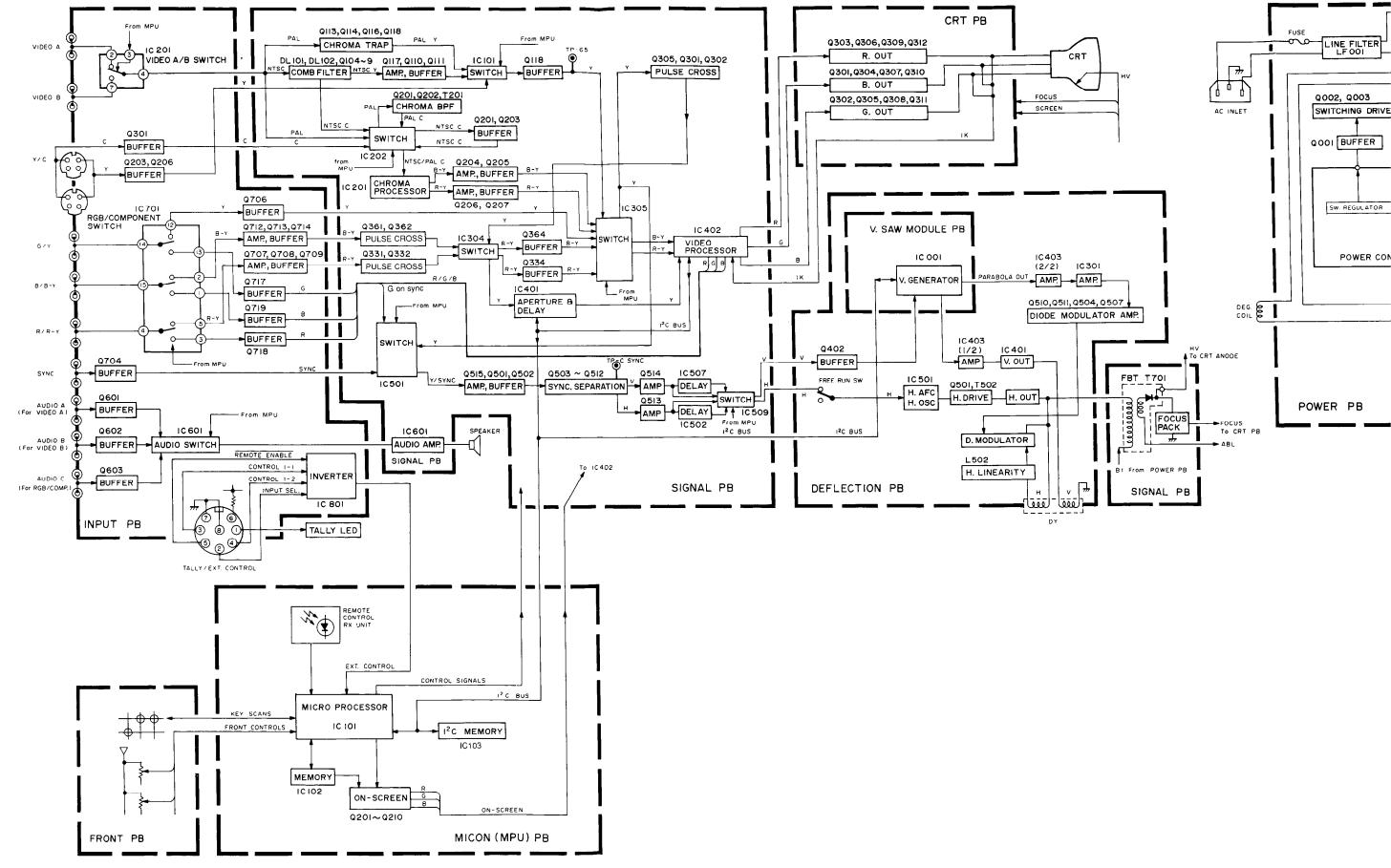


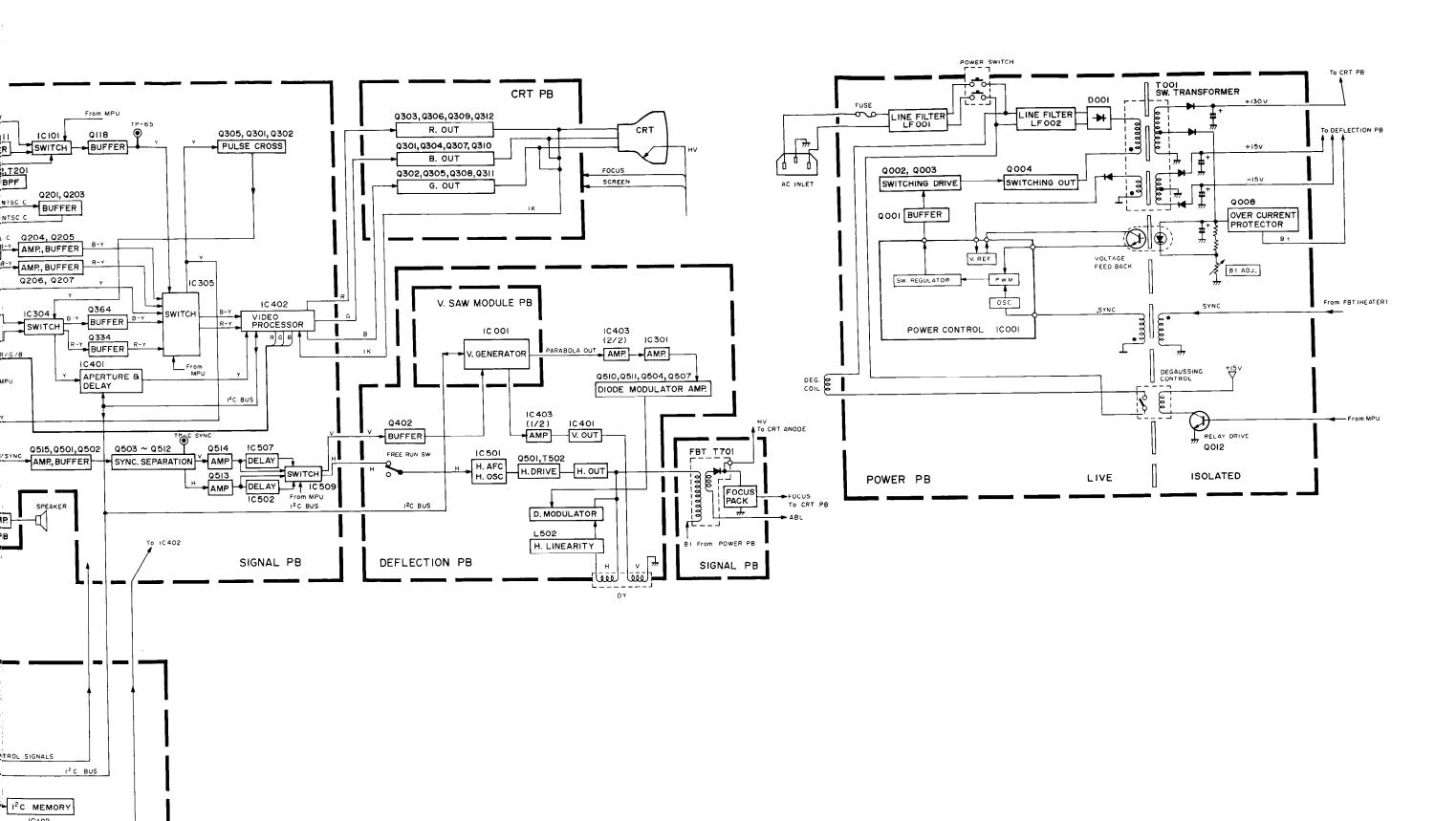
• POWER PWB (PATTERN SIDE)



■ BLOCK DIAGRAM

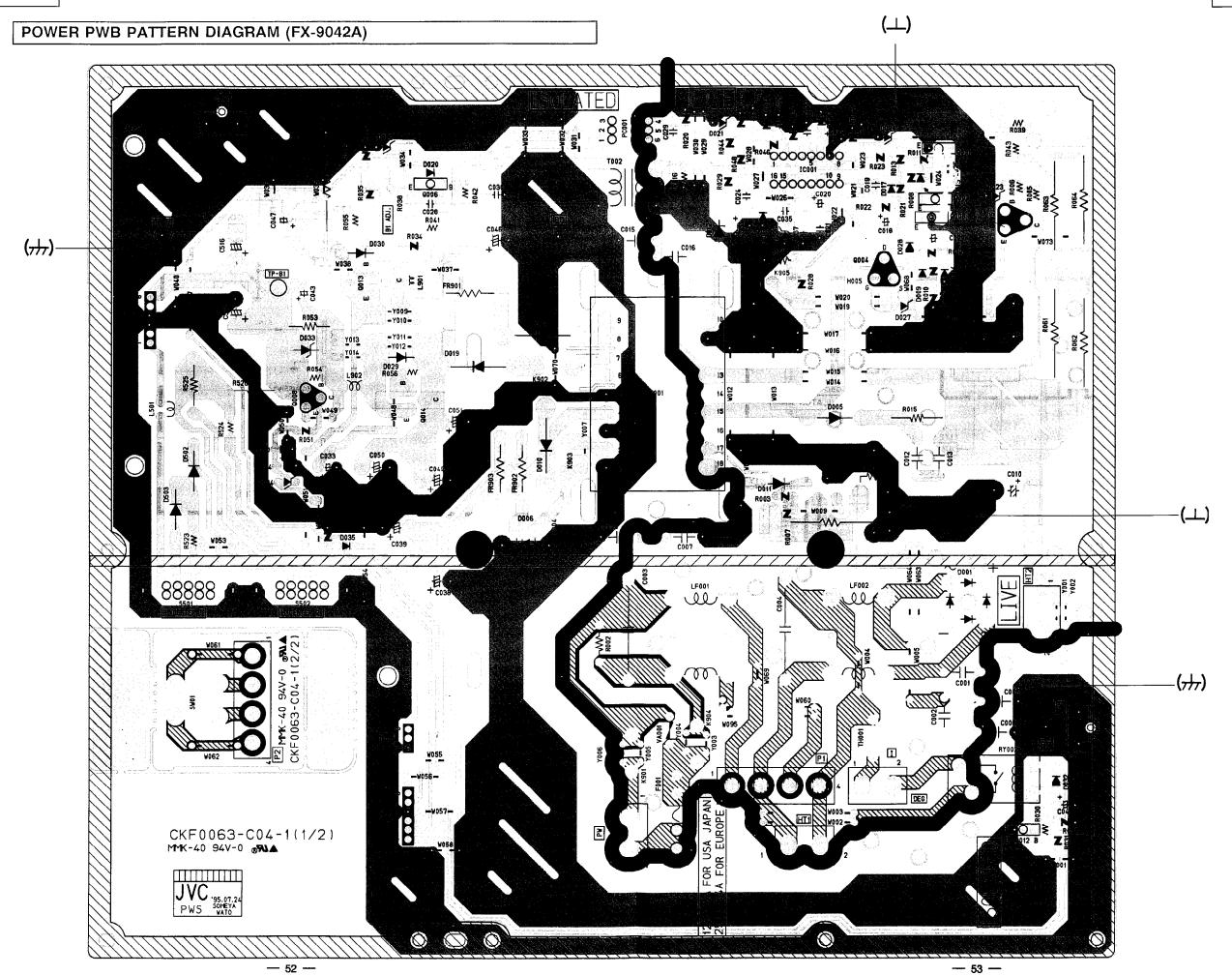
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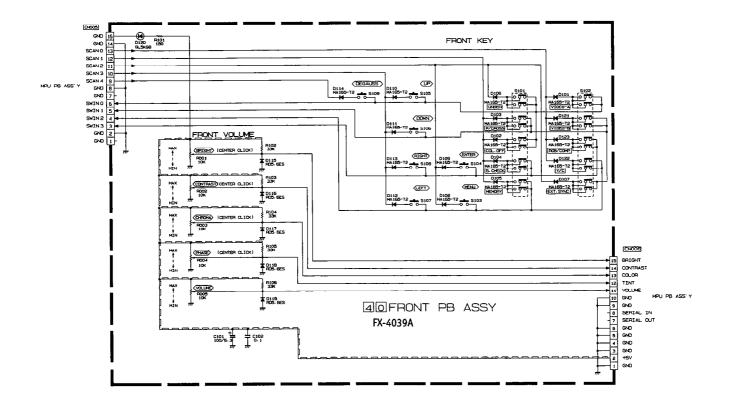


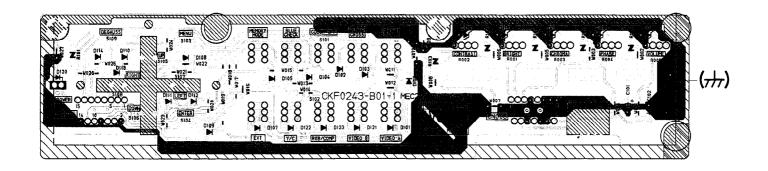
ON-SCREEN

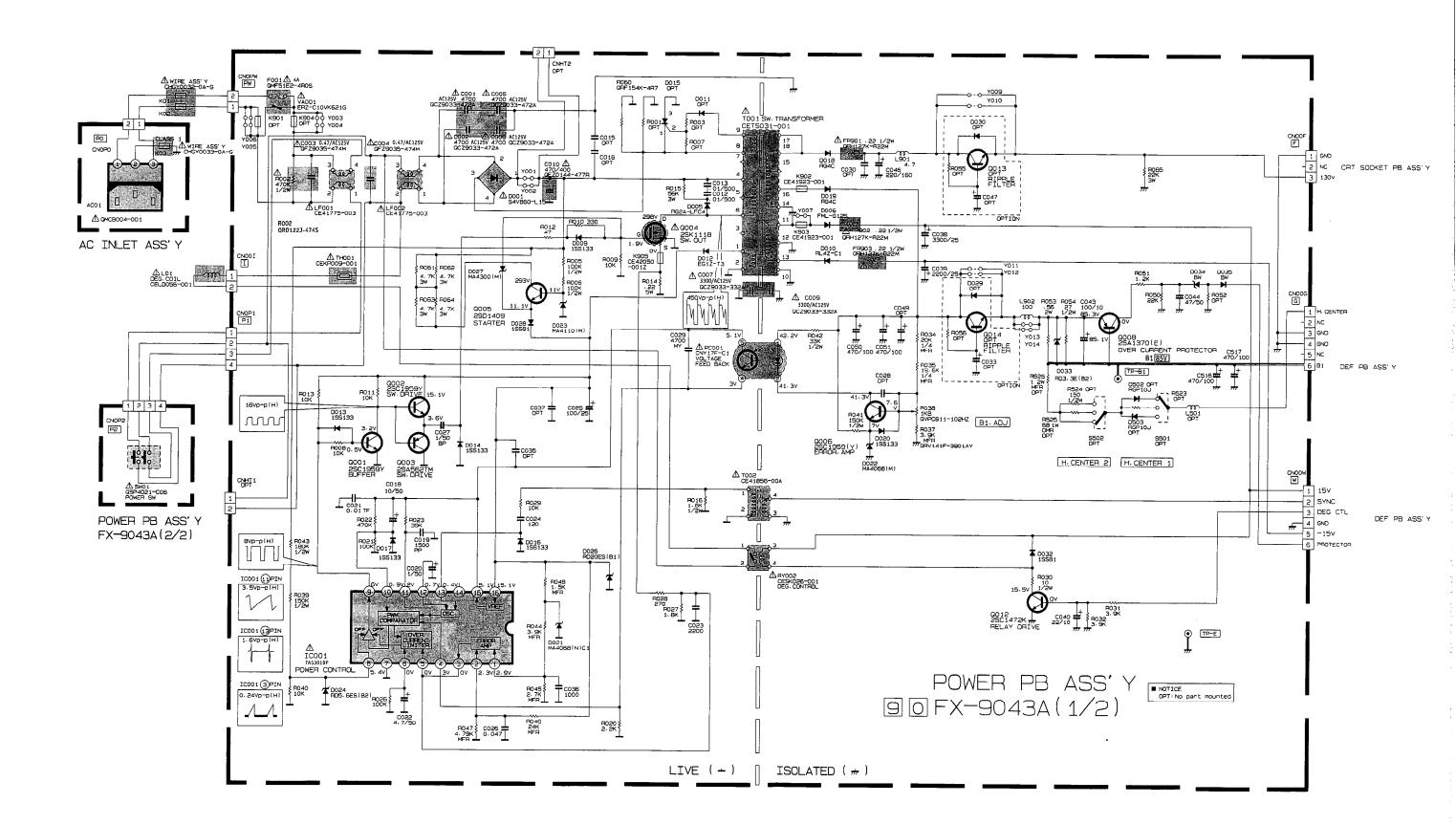
MICON (MPU) PB



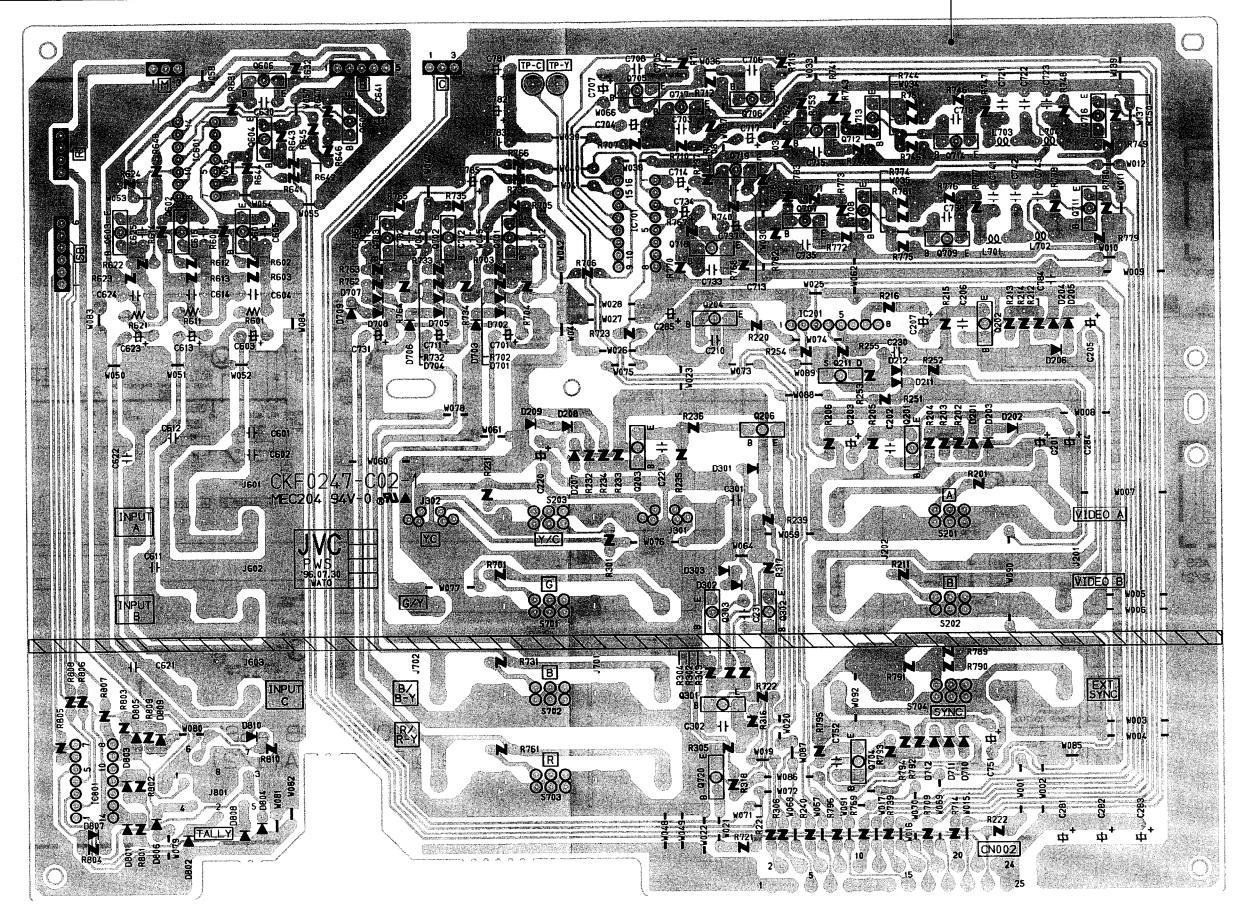
FRONT CONTROL PWB CIRCUIT DIAGRAM / PATTERN DIAGRAM (FX-4039A)

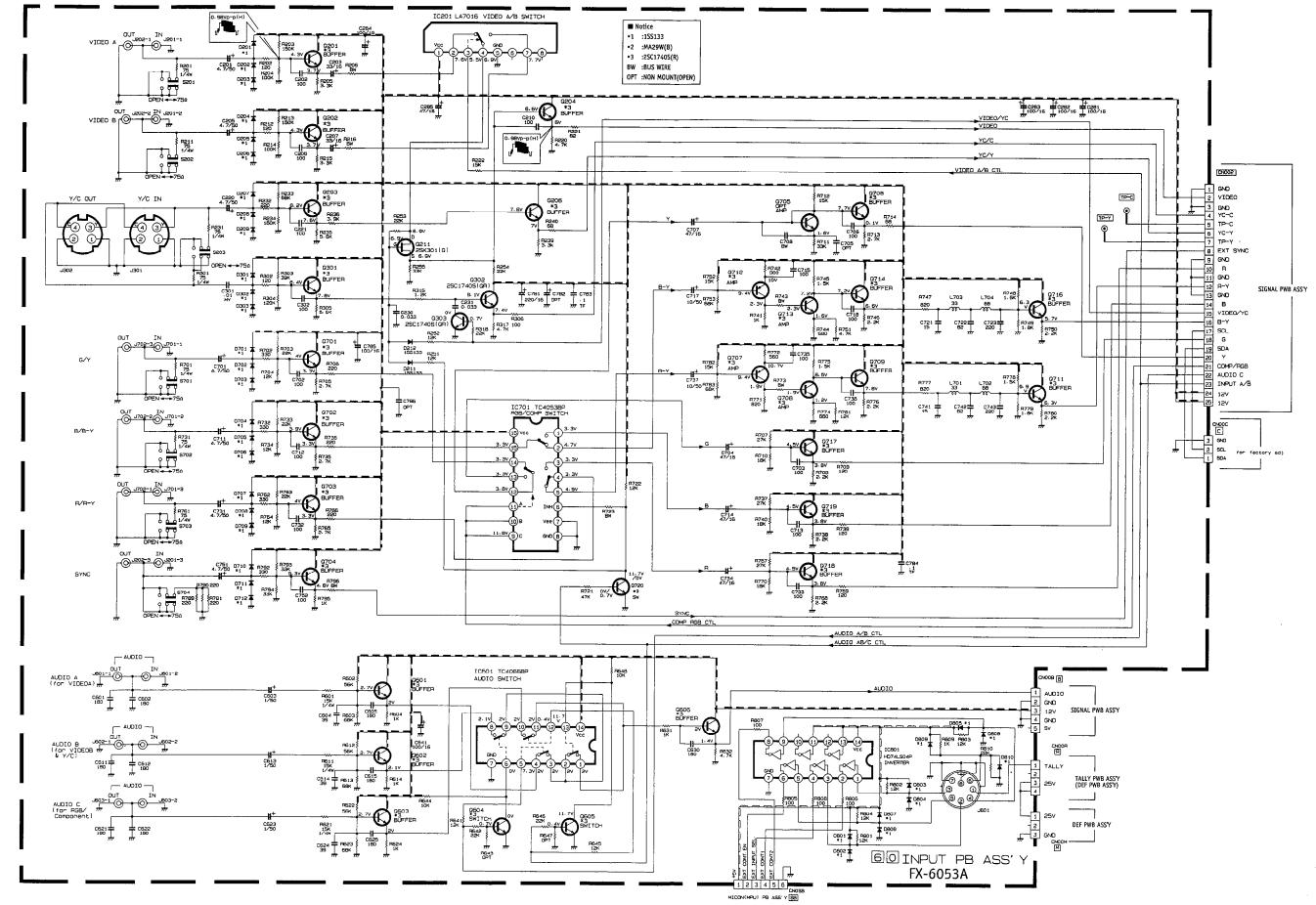


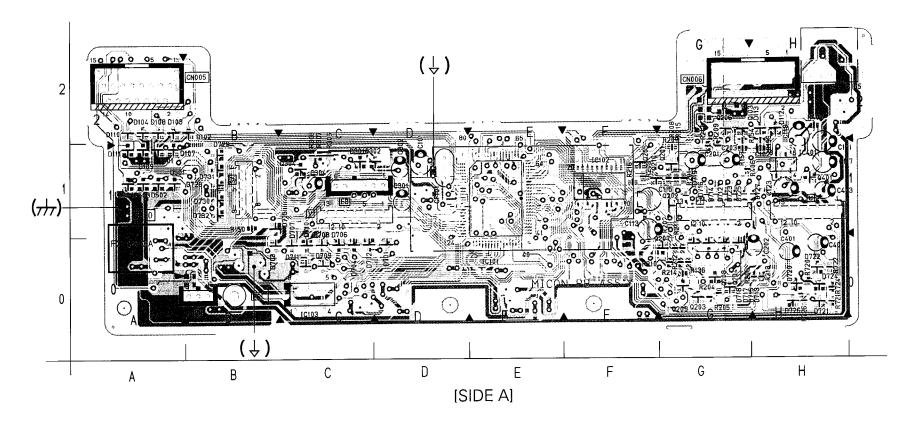


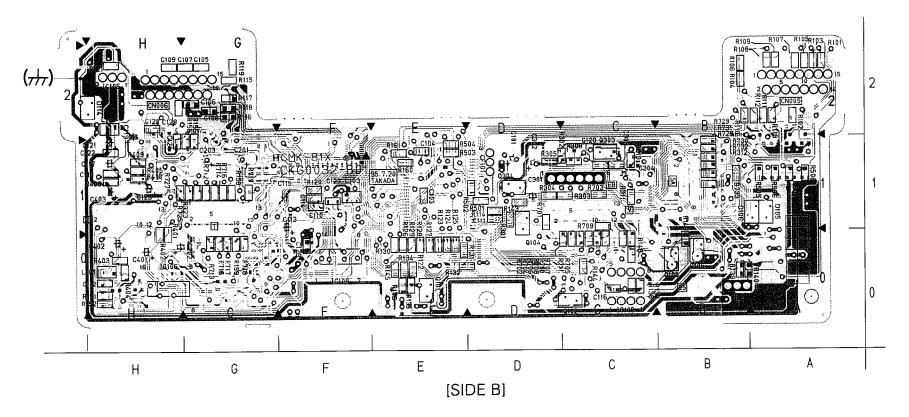






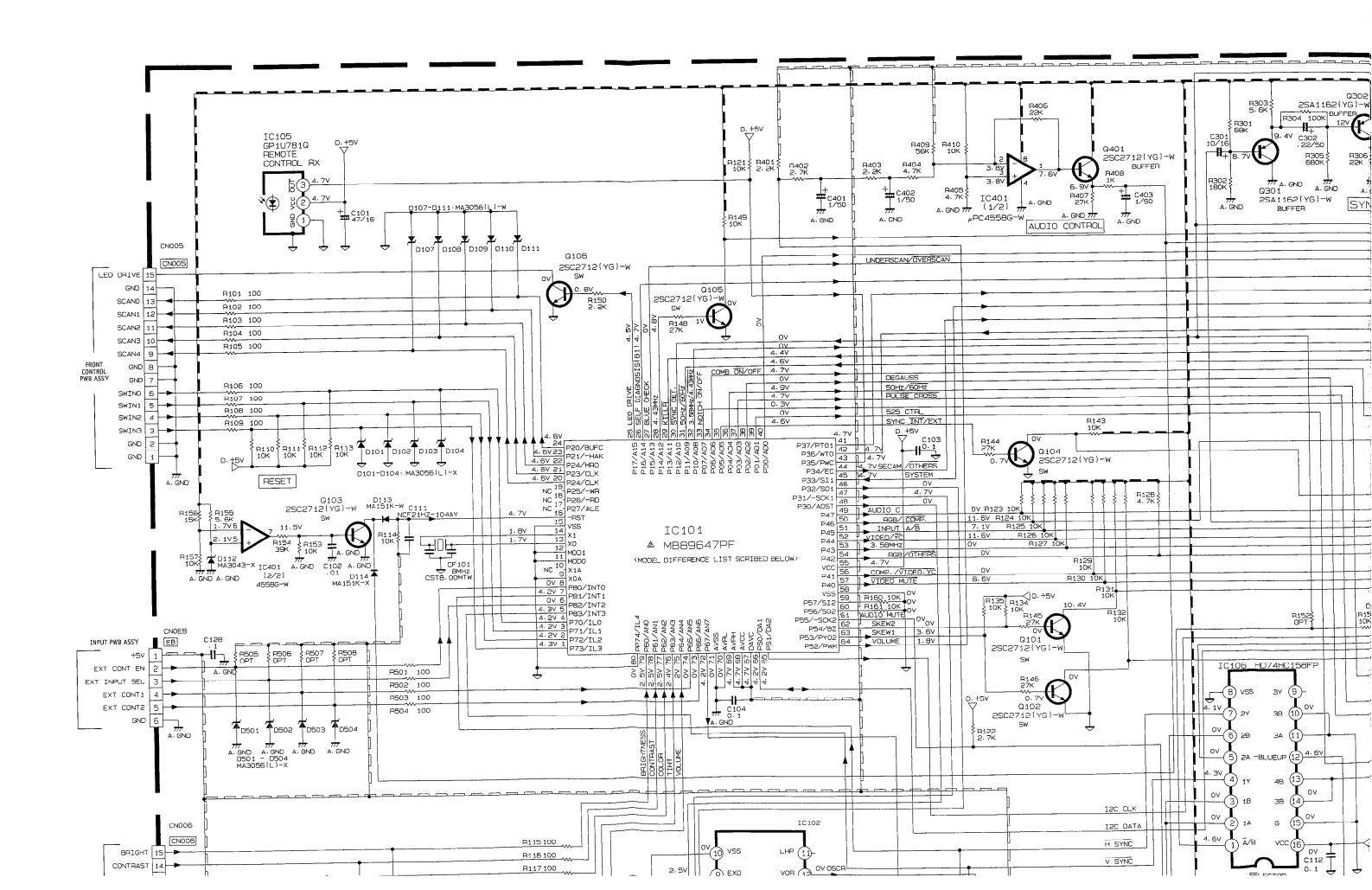


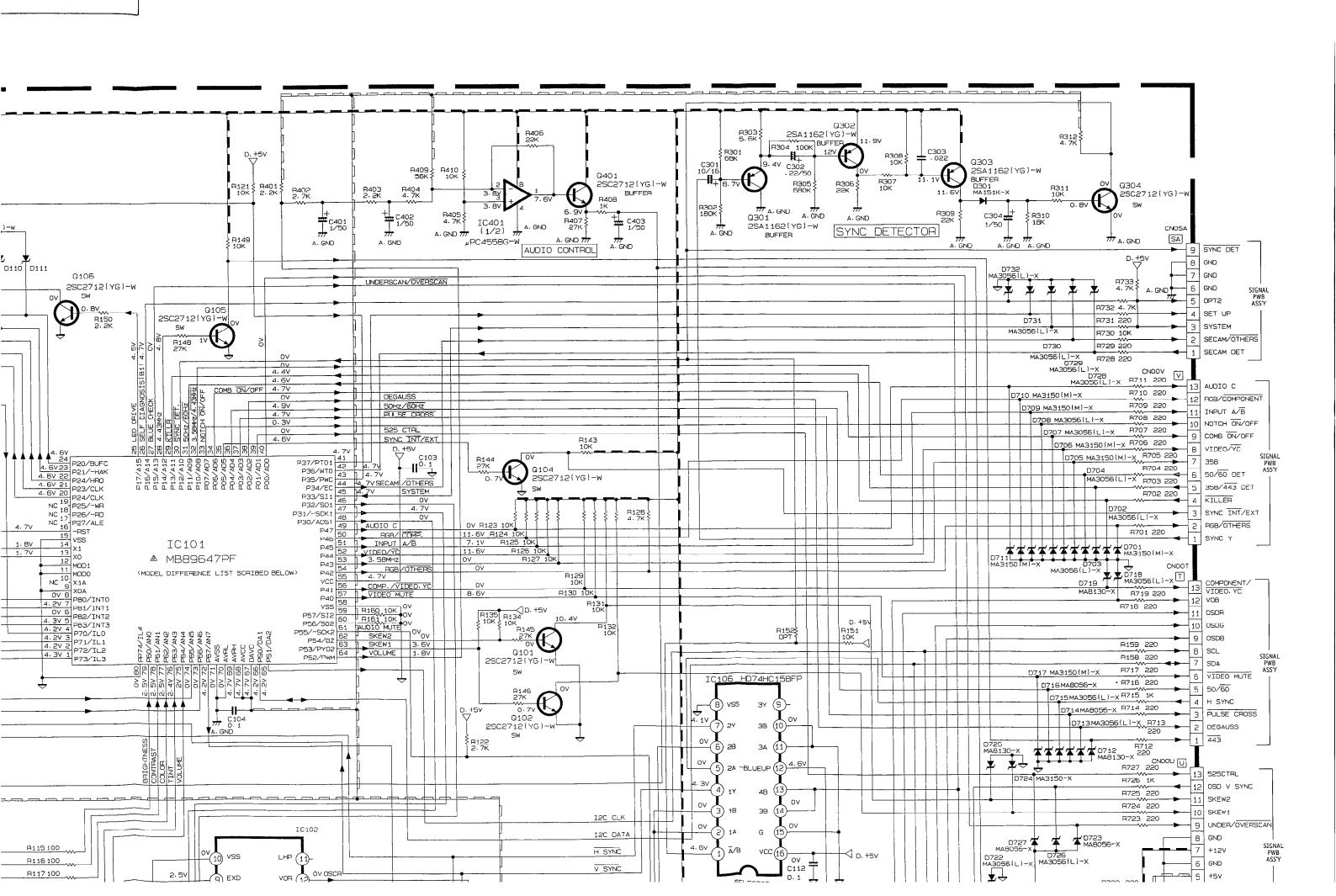


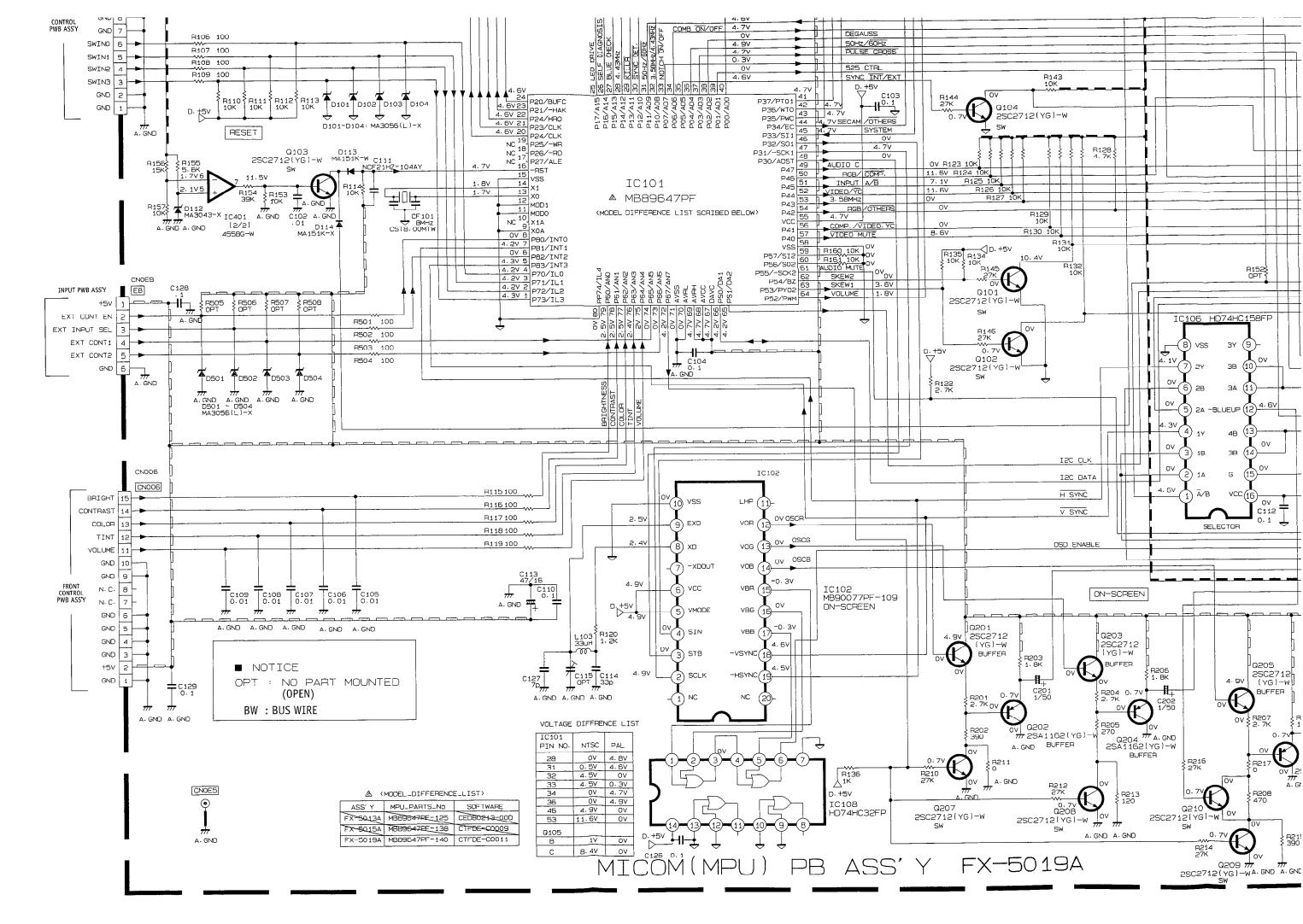


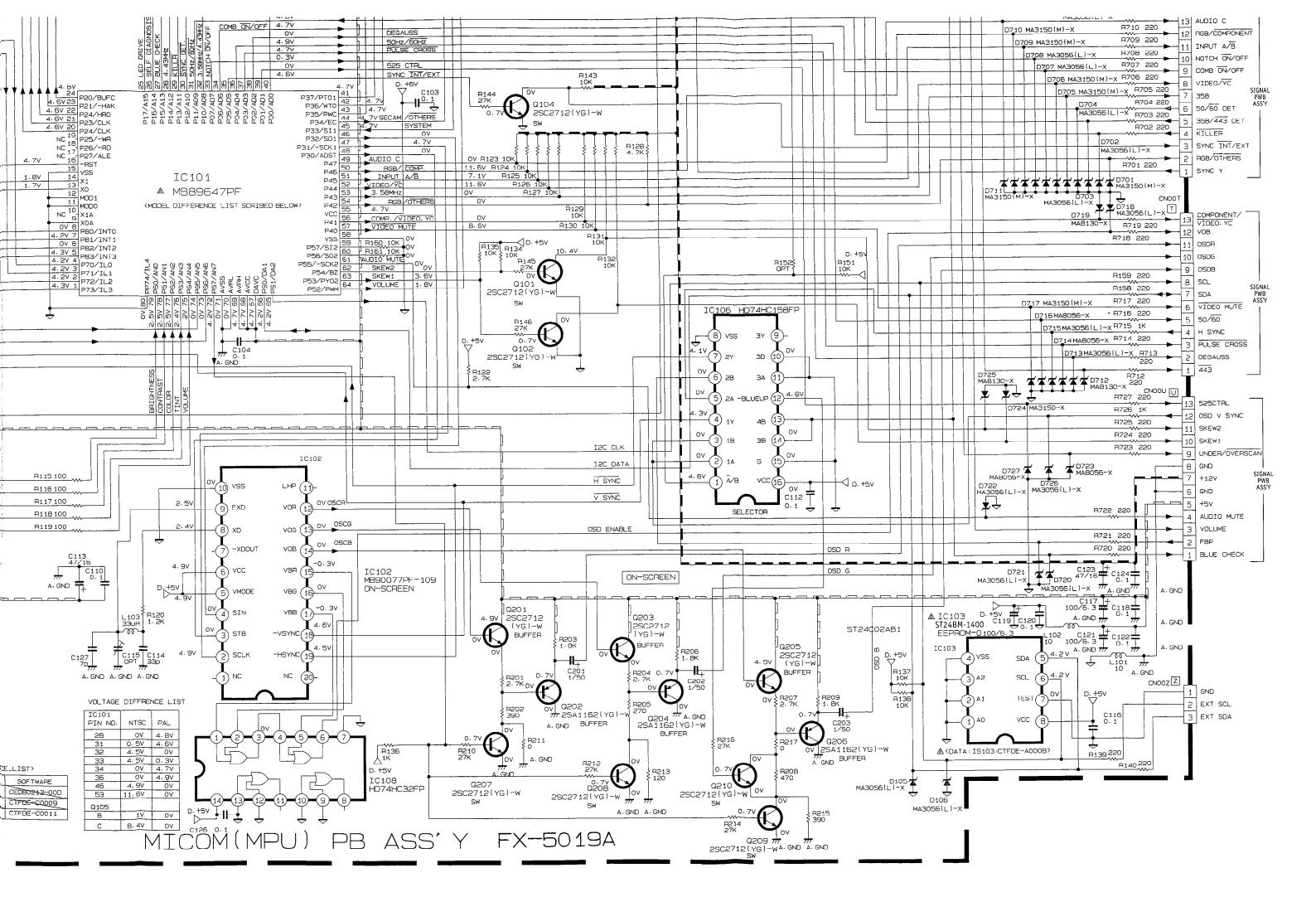
■ ADDRESS	· · · · · ·				- CYDE	EVADOL No	ADDRESS	SIDE	SYMBOL No.	ADDRESS	SIDE
SYMBOL No.	ADDRESS	SIDE	SYMBOL No.	ADDRESS	SIDE	SYMBOL No.	E0	В	R405	H1	B
C102	H1	A	D724 D725	H0 G1	A	R128	£0	В	R406	G1	A
C103	E1	8 B	D726	Н0	Â	R129	E0	В	R407	H2	A
C104 C105	G2	B	D727	H1	Â	R130	EO	В	R408	H1	В
	G2	В	D728	B1	Â	R131	EO	В	R409	H1	В
C106 C107	G2	В	0729	B1	A	R132	ΕO	В	R410	H1	8
C108	G2	В	D730	81	A	R134	E0	В	R501	D1	В
C109	H2	В	0731	B1	Α	R135	E0	В	R502	D1	В
C110	F1	В	D732	B1	A	R136	G0	A	R503	E1	В
C111	D1	В	10101	E1	A	R137	C0	В	R504	E1	В
C112	Н0	В	IC102	F1	A	R138	C0	В	R505	A1	В
C114	F1	В	10106	Н0	В	R139	B0	В	R506	A1	В
C116	CO	В	IC108	F0	В	R140	B0	В	R507	A1	В
C118	Н1	В	IC401	H1	A	R143	D1	В	R508	A1	В
C120	H2	В	L101	Н0	В	R144	C0	В	R701	D1	8
C122	H1	В	L102	H2	В	R145	E0	В	R702	CO	В
C124	H1	В	L103	F1	В	R146	E0	В	R703	C1	В
C126	F0	В	Q101	E0	В	R148	C0	В	R704	CO	B
C127	F1	В	Q102	C0	8	R149	80	8	R705	C0	8
C128	C1	В	Q103	G2	A	R150	B1	A	R706	C0 C0	В
C129	H2	В	Q104	D1	B	R151	H0	B B	R707 R708	CO	B B
C303	C1	В	Q105	B0	B	R152 R153	H1	A	R709	01	В
D101	A1	A	Q106	80 G1	B A	R154	G1	Ä	R710	CO	B
D102	B2	A .	Q201 Q202	G1	A	R155	G1	B	R711	CO	В
D103	A2	A	Q202	60	Â	R156	G1	B	R712	G1	В
D104	A2 A1	l A B	Q204	G0	Â	R157	G1	A	R713	GO	В
D105 D106	A1	8	Q205	F1	A	R158	G1	В	R714	G1	В
D100	A1	A	Q206	G2	A	R159	G0	В	R715	GO	В
D108	A2	Â	Q207	GO	A	R160	£1	В	R716	G1	В
D109	A1	A	0208	GO	A	R161	E1	В	R717	G0	В
D110	A2	A	Q209	GO	A	R201	G1	Α	R718	GO	В
D111	A1	A	Q210	F1	A	R202	G0	A	R719	61	В
D112	H2	A	Q301	D1	В	R203	F1	A	R720	Н0	A
D113	H2	Α	Q302	D1	A	R204	GO	l A	R721	Н0	A
D114	H2	В	Q303	C1	В	R205	GO	I A	R722	H0	A
D301	C1	A	Q304	01	A	R206	H0	A	R723	G1 H0	B
D501	A1	A	Q401	H1	A	R207	G1 G1	A	R724 R725	G1	A B
D502	A1	A	R101	A2	В	R208 R209	G1	Ä	R726	Н0	A
D503	A1	l A	R102	A2	8 8	R210	GO	Ä	R727	H1	B
D504	A1	l A	R103 R104	A2 B2	В	R211	G0	Â	R728	B1	В
D701	D0	A	R105	A2	B	R212	G0	Â	R729	B1	B
D702	C0	A A	R106	B2	В	R213	Н0	A	R730	B1	В
D703	80 C0	Ä	R107	A2	В	R214	GO	A	R731	B1	В
D704 D705	81	Â	R108	A2	В	R215	G1	A	R732	81	В
D706	CO	À	R109	A2	В	R216	F1	A	R733	81	В
0707	CO	Ā	R110	B2	В	R217	G1	Α .			
D708	CO	A	R111	A2	В	R301	D1	l B			
D709	CO	Α	R112	A2	8	R302	C1	В			
0710	CO	A	R113	A2	В	R303	C1	В			
D711	C0	A	R114	D1	В	R304	D1	8			
D712	G1	A	R115	G2	B	R305	D1	В			
D713	G0	A	R116	G2	В	R306	C1	A			
D714	G1	A	R117	G2	B	R307	C1	A	1		
D715	GO	٨	R118	G2	B	R308 R309	C1	A B			
D716	G1	A	R119	G2 F1	B B	R309	01	B			
D717	GO	l A	R120 R121	H2	B	R311	C1	B			
D718	G0	A	R122	E0	В	R312	B1	В			
D719	G1 H0	A	R123	·E0	В	R401	Н0	8			
D720 D721	H0	A	R124	ΕO	B	R402	Н0	8			
0722	Н0	Â	R125	ΕO	8	R403	Н0	В			
D723	G1	A	R126	E0	8	R404	H0	B			
			J				-		a chawe anly		

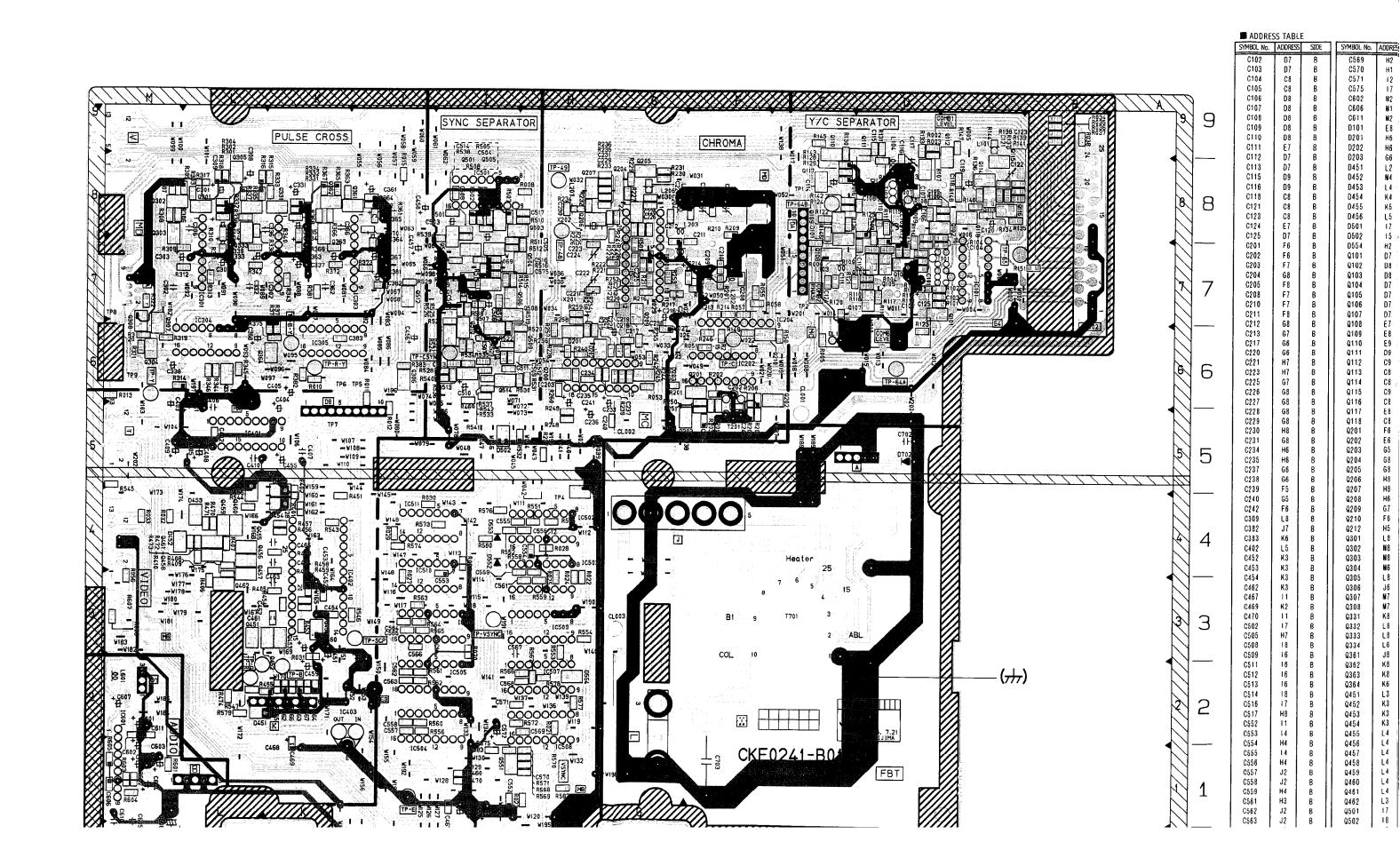
※This table shows only chip components



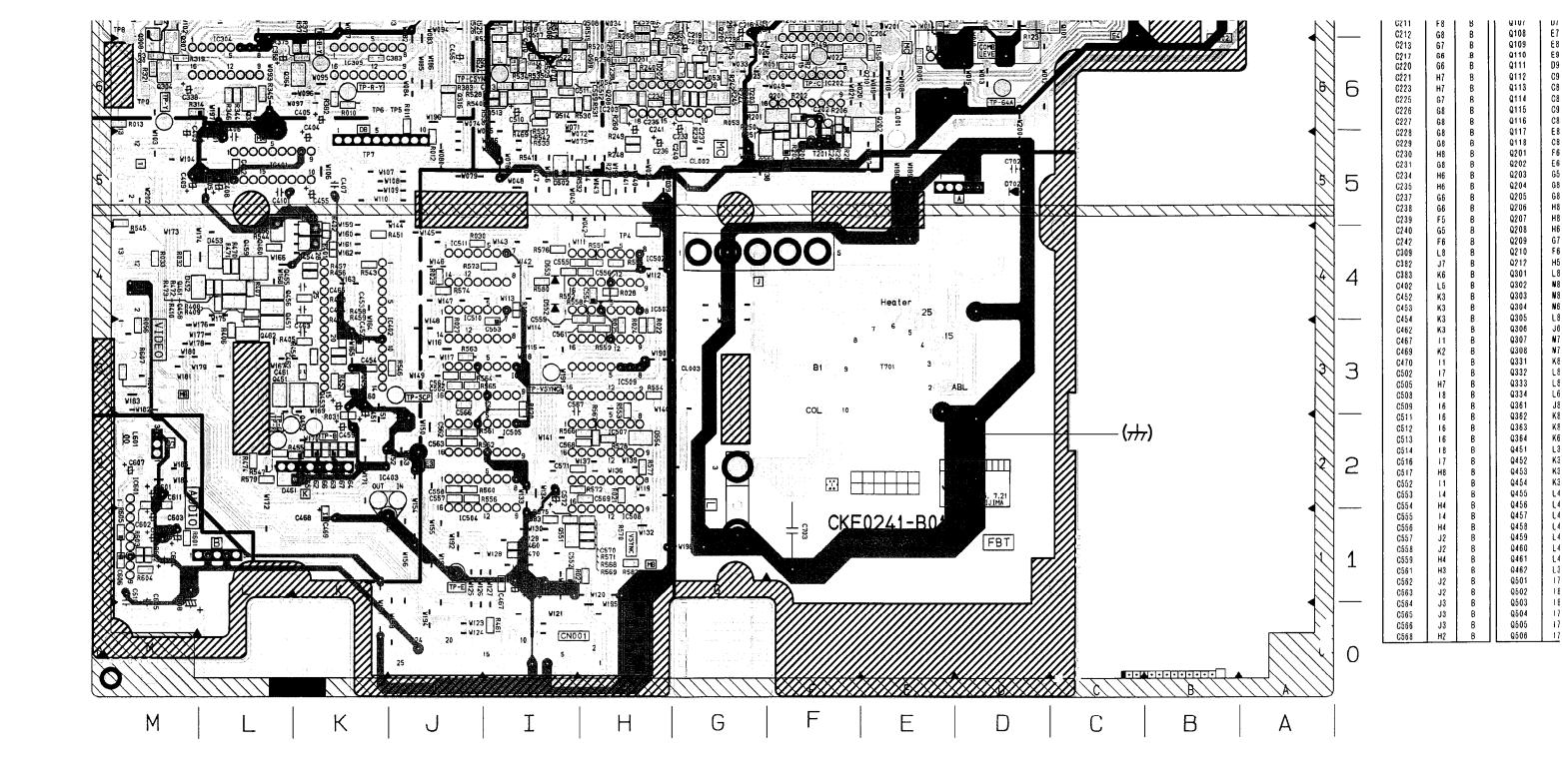




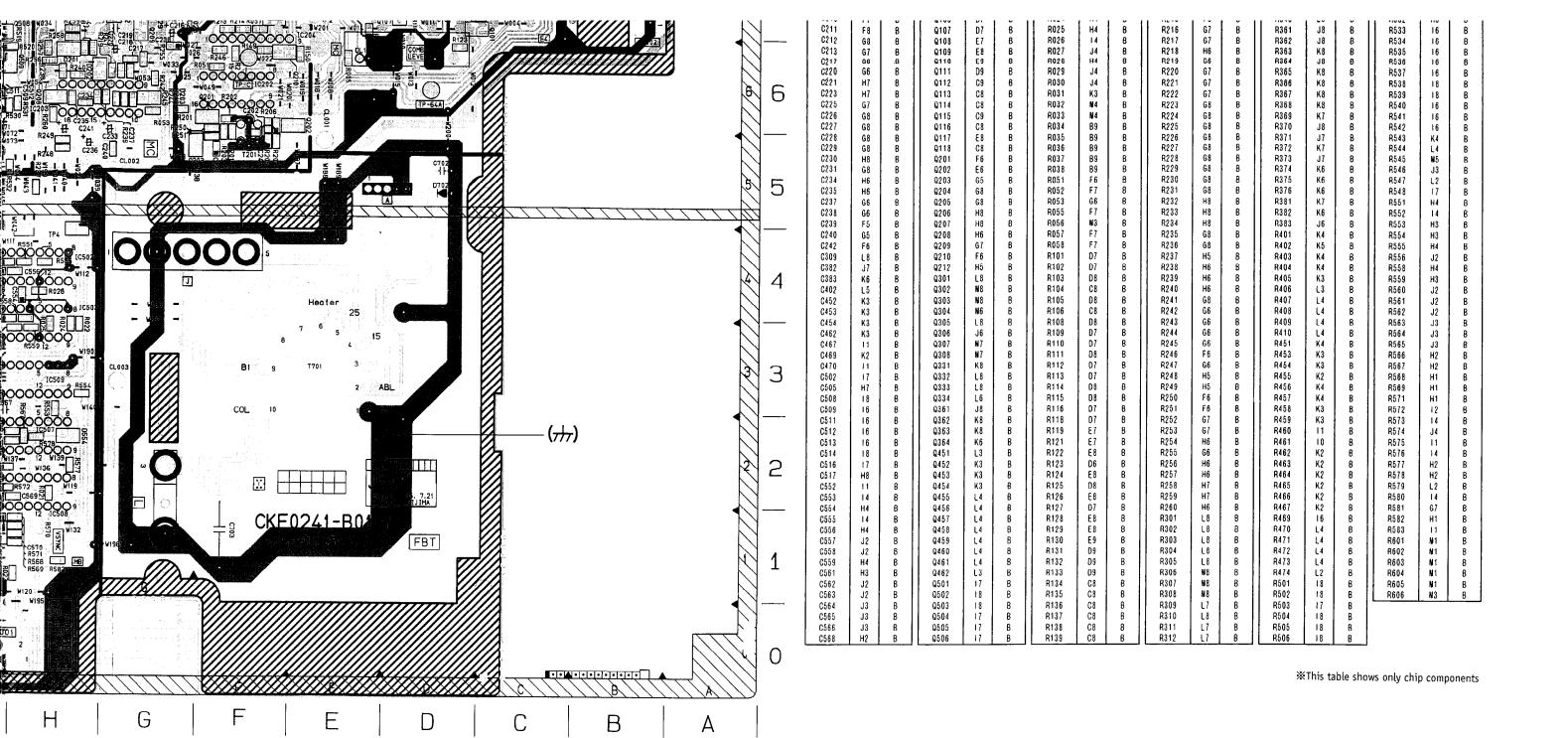


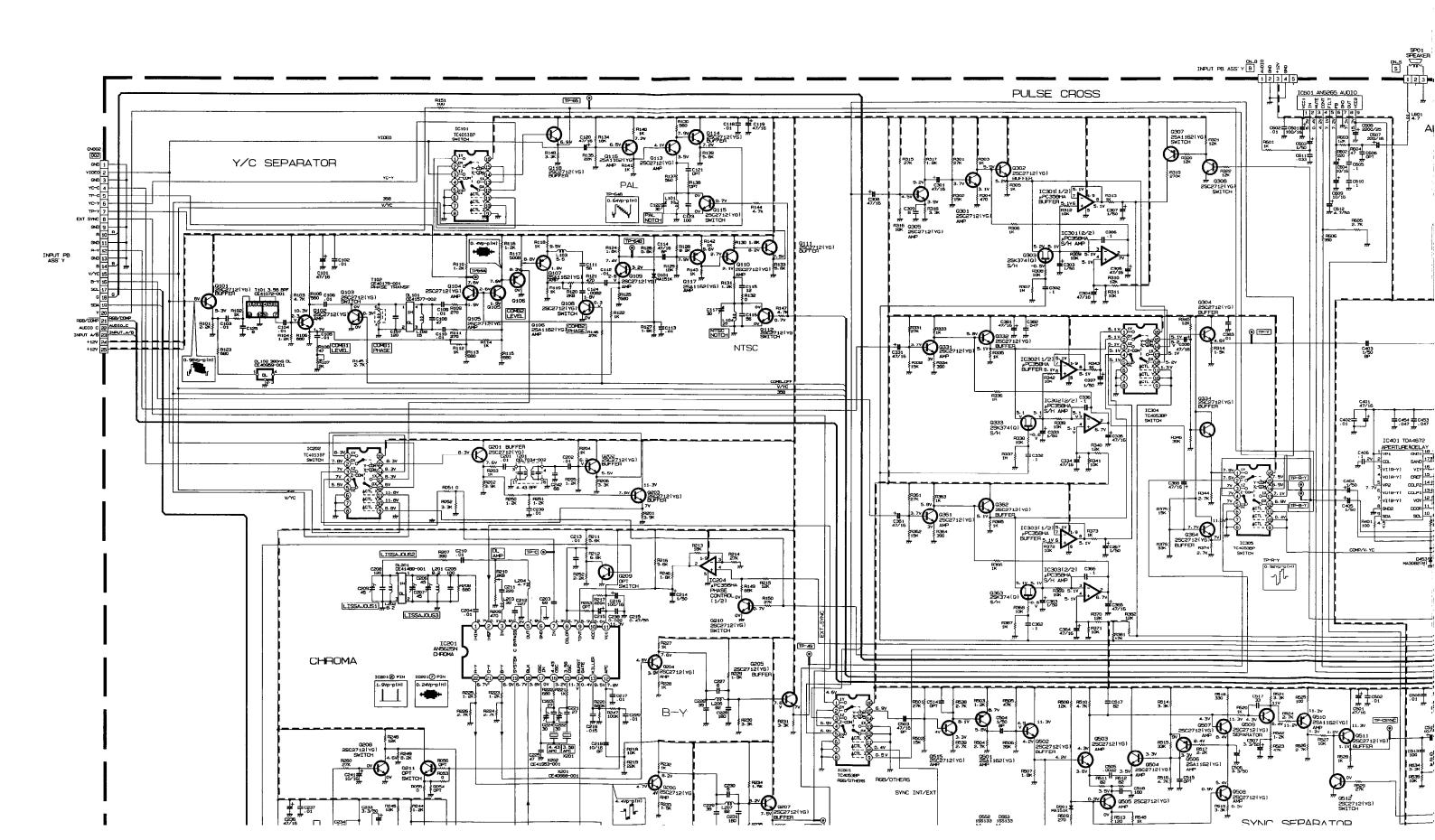


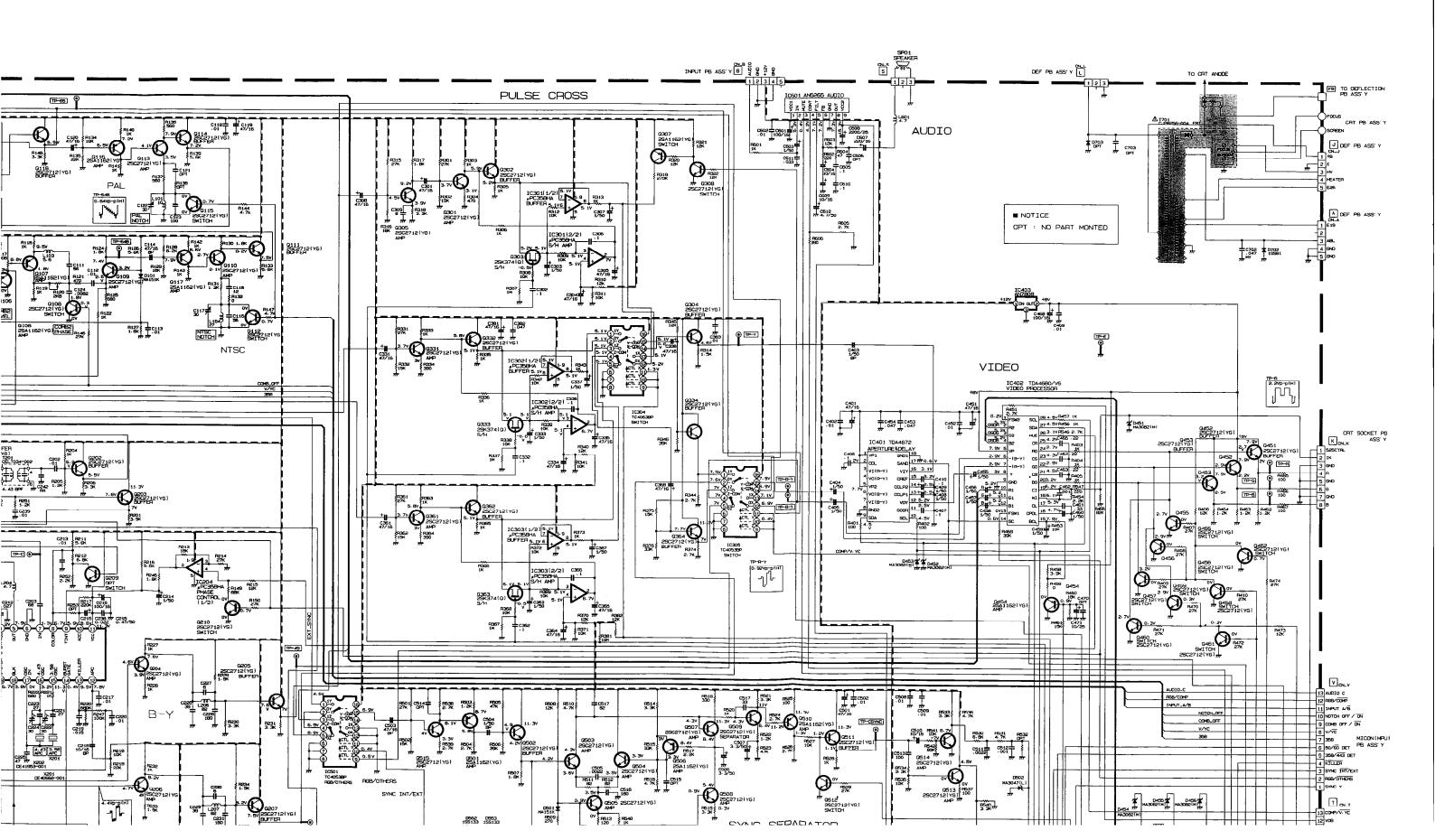
		S TABLE ADDRESS SIDE		ADDRESS SIDE		ADDRESS SIDE		ADDRESS SIDE	-	DDRESS SIDE	= ===	D. ADDRESS	SIDE	
Y/C SEPARATOR SEPARAT			SYMBOL No. C569 C570 C571 C575 C602 C606 C611 D101 D201 D202 D203 D451 D452 D453 D454 D455 D456 D501 D502 D554 Q101 Q102 Q103 Q104 Q105 Q107 Q108 Q109 Q110 Q111 Q112 Q113 Q114 Q115 Q116 Q117 Q118 Q202 Q203 Q204 Q205 Q207 Q208 Q209 Q201 Q202 Q203 Q204 Q205 Q207 Q208 Q209 Q210 Q212 Q301 Q302 Q303 Q304 Q305 Q306 Q307 Q308 Q309 Q301 Q302 Q303 Q304 Q305 Q306 Q307 Q308 Q309 Q301 Q302 Q303 Q304 Q305 Q306 Q307 Q308 Q309 Q301 Q302 Q303 Q304 Q305 Q306 Q307 Q308 Q309 Q301 Q302 Q303 Q304 Q305 Q306 Q307 Q308 Q309 Q301 Q302 Q303 Q304 Q305 Q306 Q307 Q308 Q309 Q301 Q302 Q303 Q304 Q305 Q306 Q307 Q308 Q308 Q309 Q309 Q309 Q309 Q301 Q302 Q303 Q304 Q305 Q308 Q309 Q307 Q308 Q309 Q309 Q309 Q301 Q302 Q303 Q304 Q305 Q306 Q307 Q308 Q308 Q309 Q309 Q309 Q309 Q309 Q309 Q301 Q302 Q303 Q304 Q305 Q306 Q307 Q308 Q308 Q309 Q309 Q309 Q309 Q309 Q309 Q309 Q309	ADDRESS SIDE H2	SYMBOL No. 7 Q507 Q508 Q509 Q510 Q511 Q512 Q513 Q514 Q515 Q551 R002 R003 R004 R005 R006 R008 R010 R011 R012 R013 R016 R020 R021 R022 R023 R024 R025 R026 R027 R028 R029 R030 R031 R032 R024 R025 R026 R027 R028 R029 R030 R031 R032 R031 R032 R034 R055 R056 R057 R058 R050 R057 R058 R051 R052 R053 R055 R056 R057 R058 R056 R057 R058 R051 R052 R053 R056 R057 R058 R051 R052 R053 R056 R057 R058 R056 R057 R058 R051 R056 R057 R058 R056 R057 R058 R051 R056 R057 R058 R051 R056 R057 R058 R051 R056 R057 R058 R051	NDDRESS SIDE	R140 R141 R142 R143 R144 R145 R146 R147 R148 R150 R151 R201 R202 R203 R204 R205 R206 R207 R208 R209 R211 R212 R213 R214 R215 R216 R217 R218 R219 R220 R221 R222 R223 R224 R225 R226 R227 R228 R229 R221 R222 R223 R224 R225 R226 R227 R228 R229 R230 R231 R232 R233 R234 R235 R236	ADDRESS SIDE C 8	R313 R314 R315 R316 R317 R318 R319 R320 R321 R322 R333 R334 R335 R336 R337 R338 R334 R335 R336 R337 R338 R340 R341 R342 R343 R344 R345 R367 R368 R370 R371 R372 R3774 R375 R374 R375 R374 R375 R376 R381 R382 R383 R401 R402 R403 R4006 R407 R408 R4006 R407 R408 R409 R4110 R451 R453 R456 R457	DDRESS SIDE L7 B M6 B K8 B L8 B L8 B L8 B M6 B M6 B M6 B M6 B M7 B K8	R501 N R507 R508 R509 R510 R511 R512 R513 R514 R515 R516 R517 R518 R519 R520 R521 R524 R525 R524 R525 R526 R527 R528 R529 R530 R531 R534 R535 R534 R535 R534 R535 R534 R535 R536 R537 R538 R539 R540 R541 R542 R543 R545 R545 R545 R555 R556 R556 R556 R556	D. ADDRESS 18	SIDE	
— (///) 2	C509 C511 C512 C513 C514 C516 C517 C552 C553 C554 C555 C556 C557 C558 C556 C557 C568 C569 C561 C562 C563	16	Q361 Q362 Q363 Q364 Q451 Q452 Q453 Q454 Q455 Q456 Q457 Q458 Q459 Q460 Q461 Q462 Q501	K8	R118 R119 R121 R122 R123 R124 R125 R126 R127 R128 R129 R130 R131 R132 R133 R134 R135	D7 B E7 B E7 B E8 B D6 B E8 B D7 B E8 B D7 B E8 B D7 B E8 B D9 B E9 B D9 B C9 B C8 B	R251 R252 R253 R254 R255 R256 R257 R258 R259 R260 R301 R302 R303 R304 R305 R306 R307	G7 B G7 B H6 B H6 B H6 B H7 B H7 B L8	R459 R460 R461 R462 R463 R464 R465 R466 R467 R469 R470 R471 R472	K3	R572 R573 R574 R575 R576 R577 R578 R580 R581 R582 R583 R601 R602 R603 R604 R605 R606	12 14 J4 11 14 H2 H2 L2 14 G7 H1 11 M1 M1 M1 M1	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	

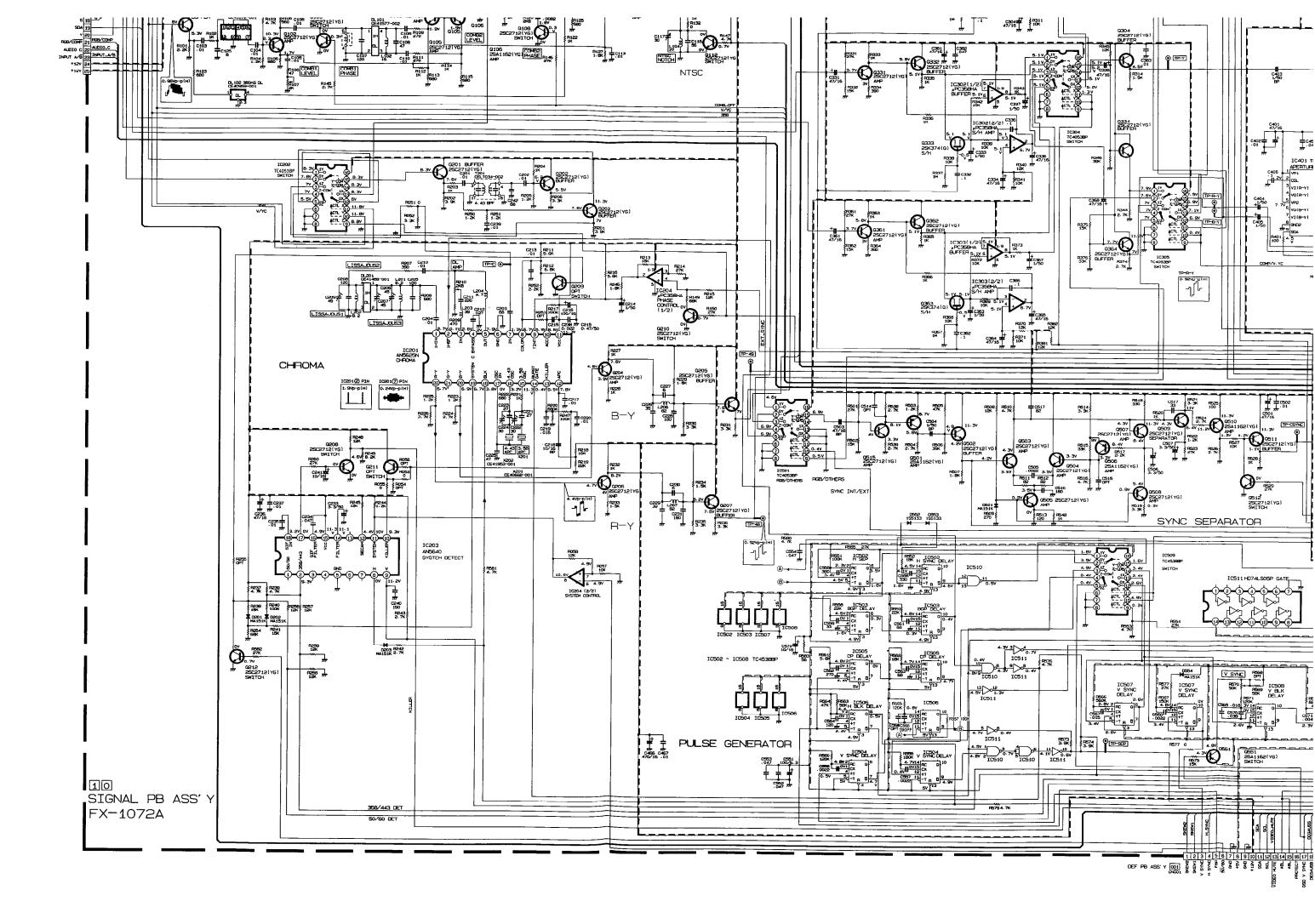


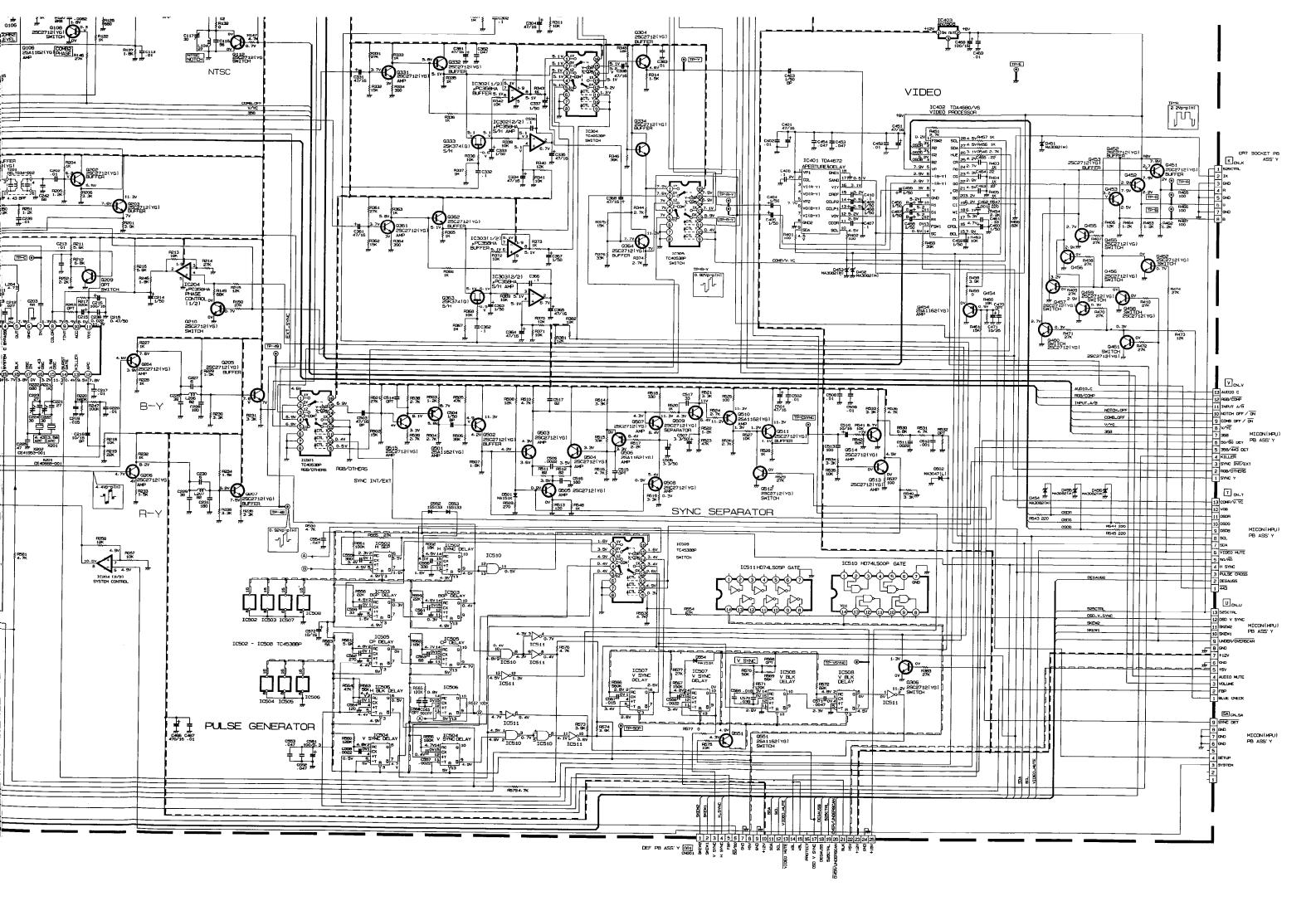
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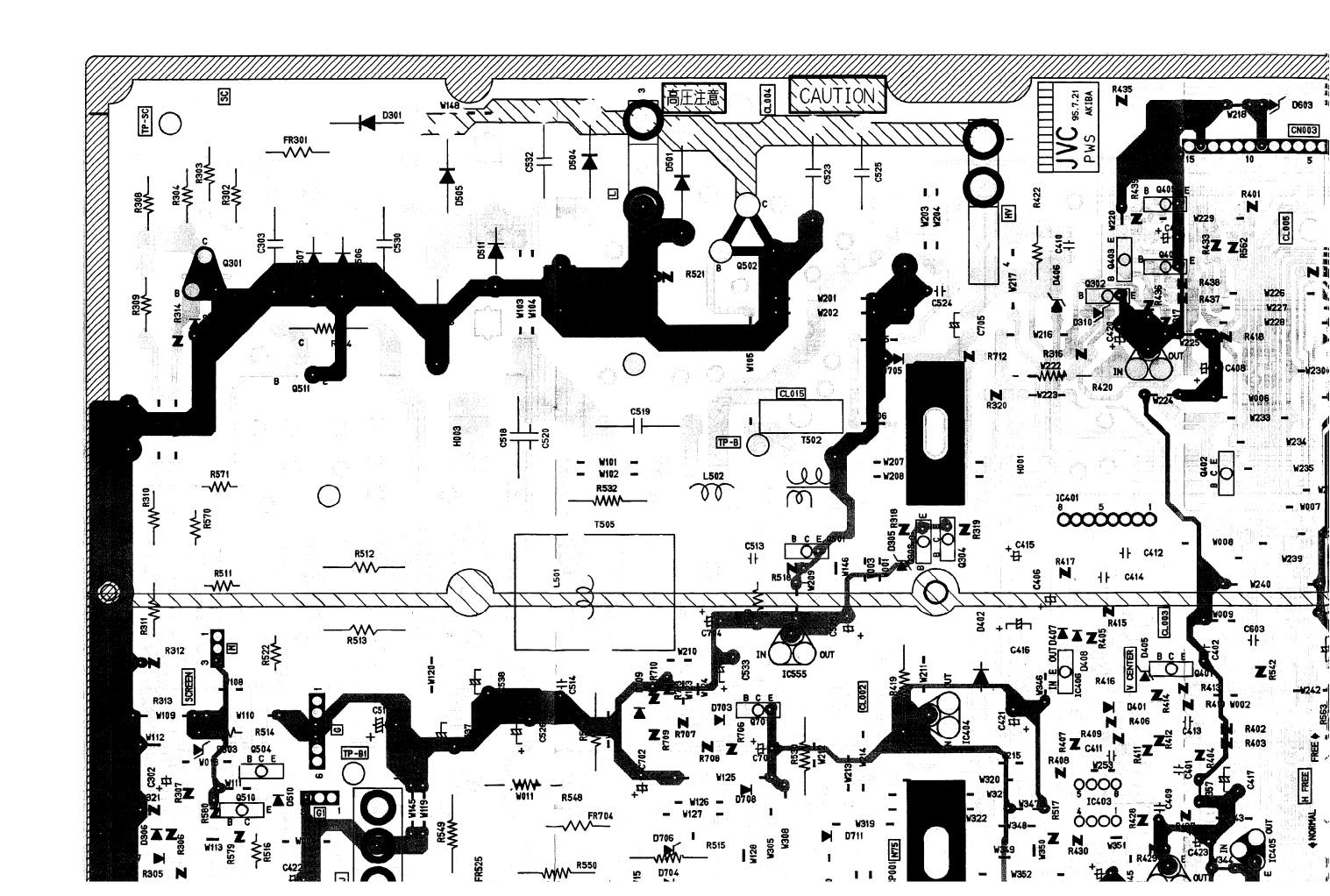


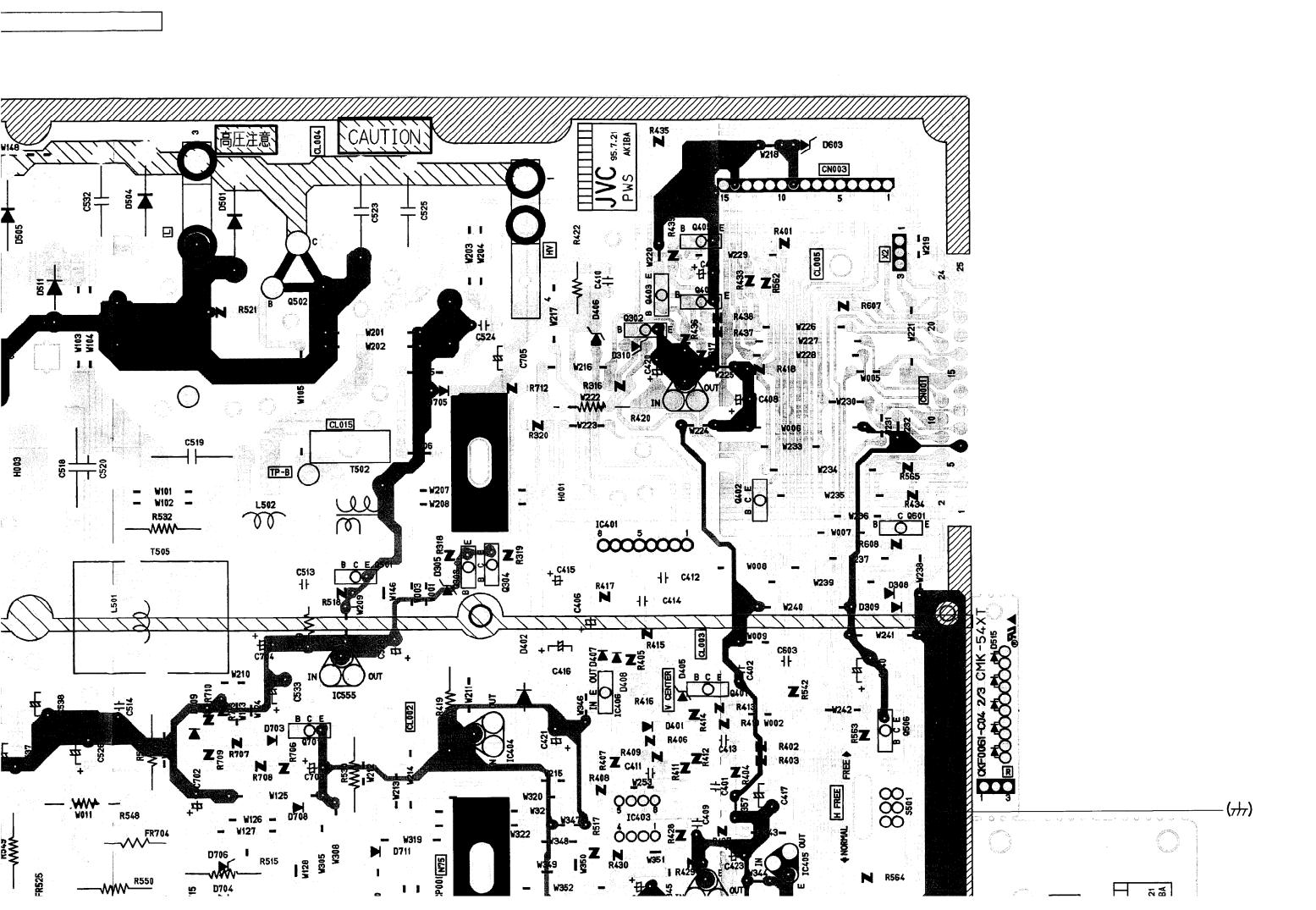


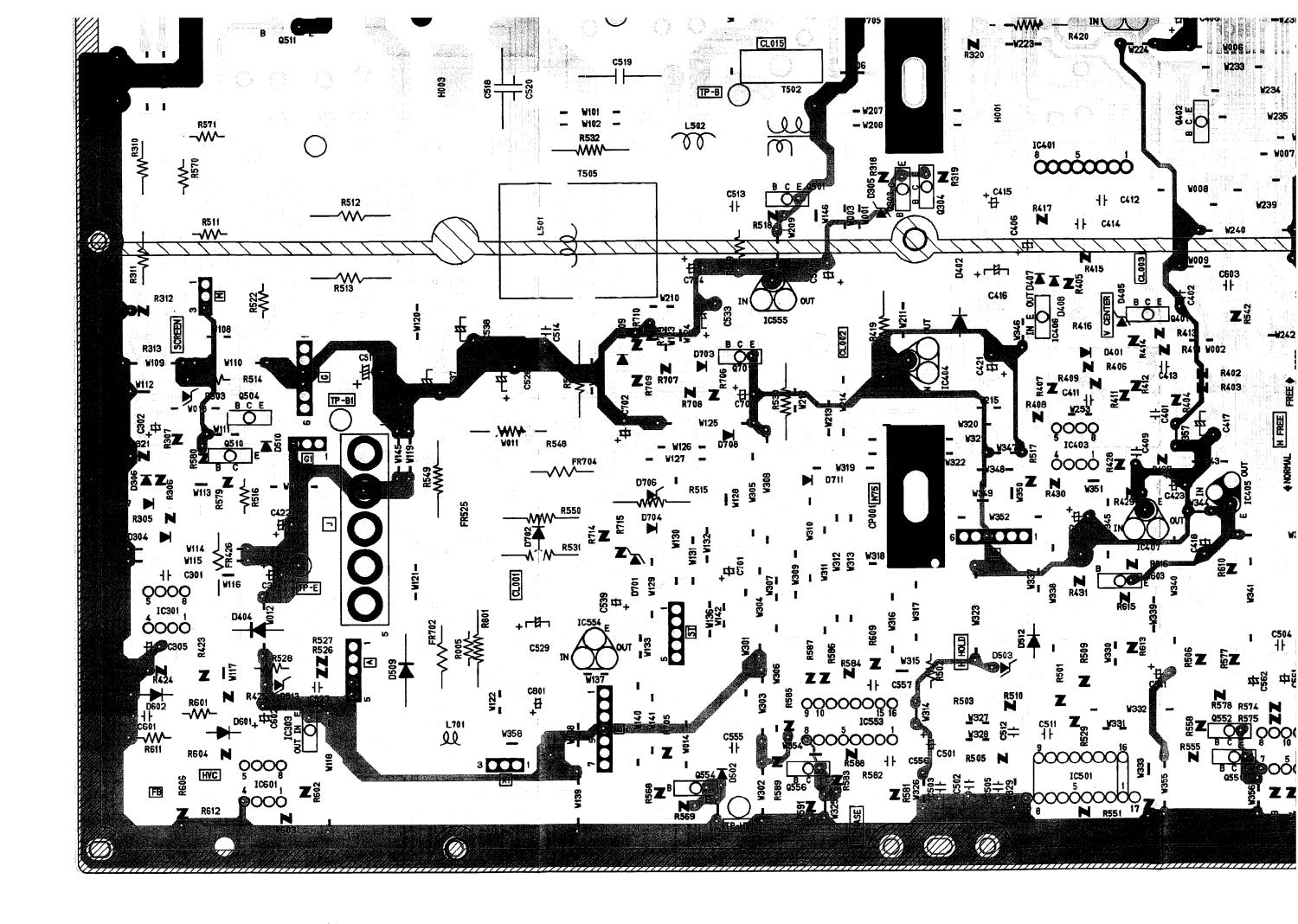


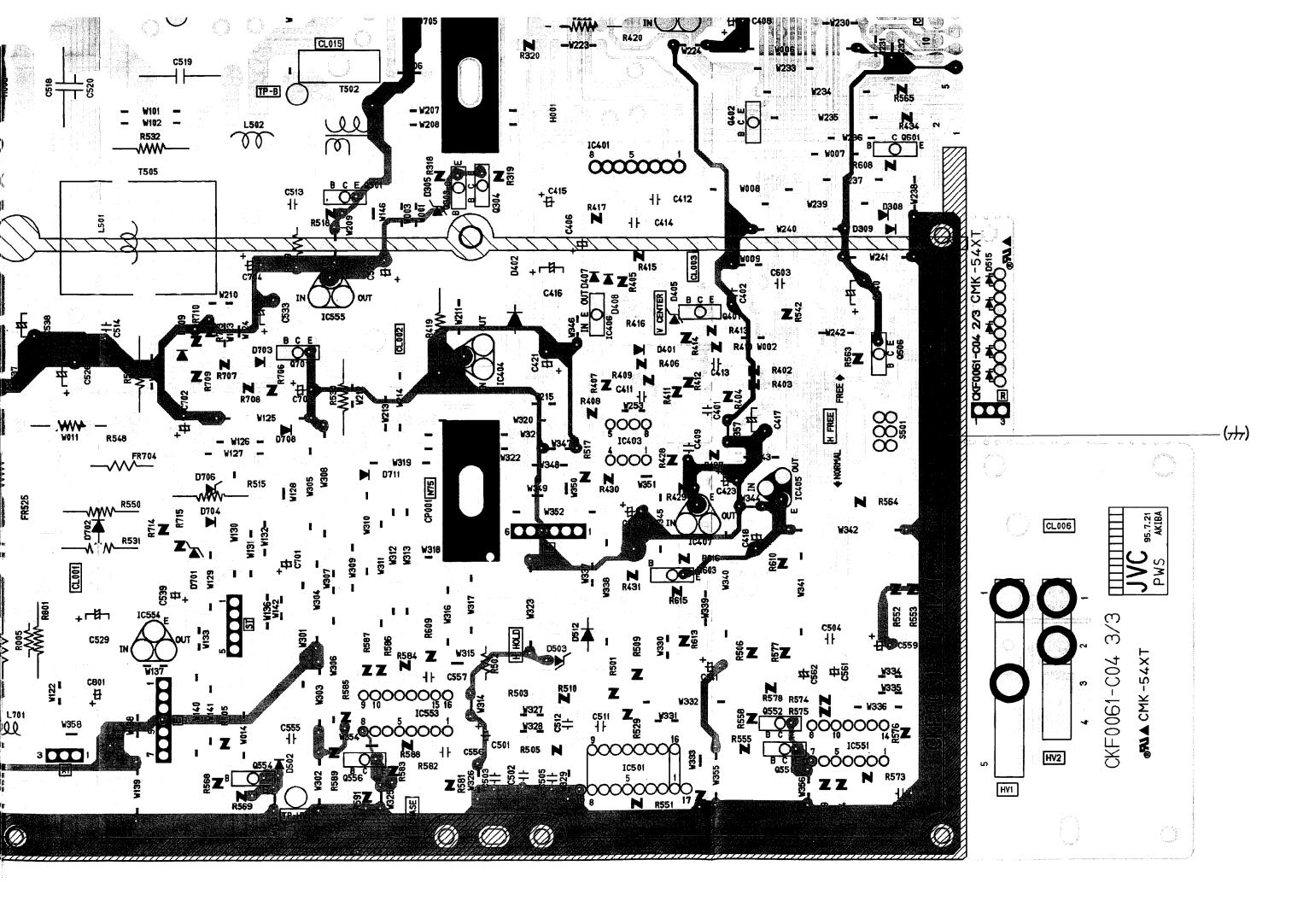


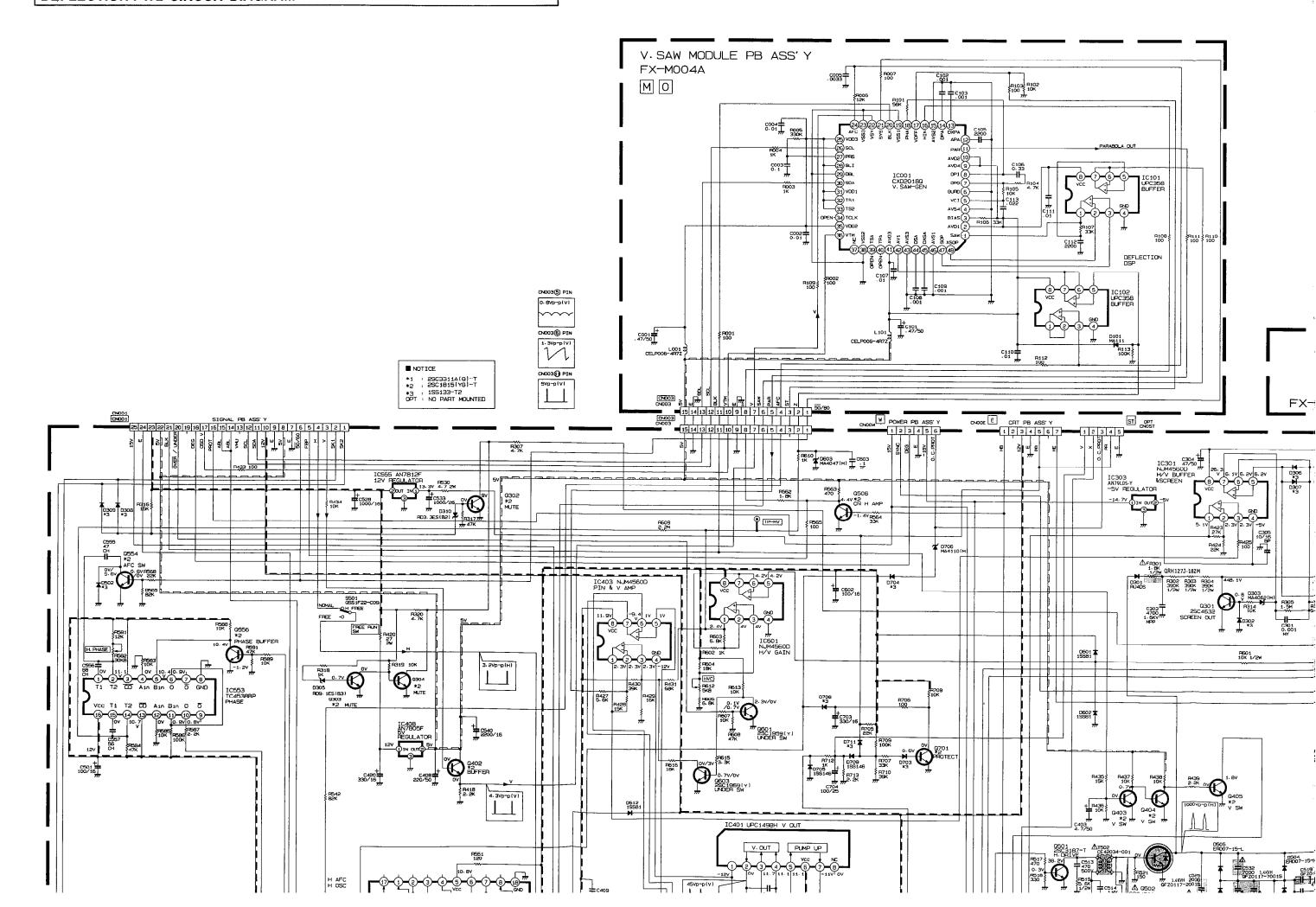


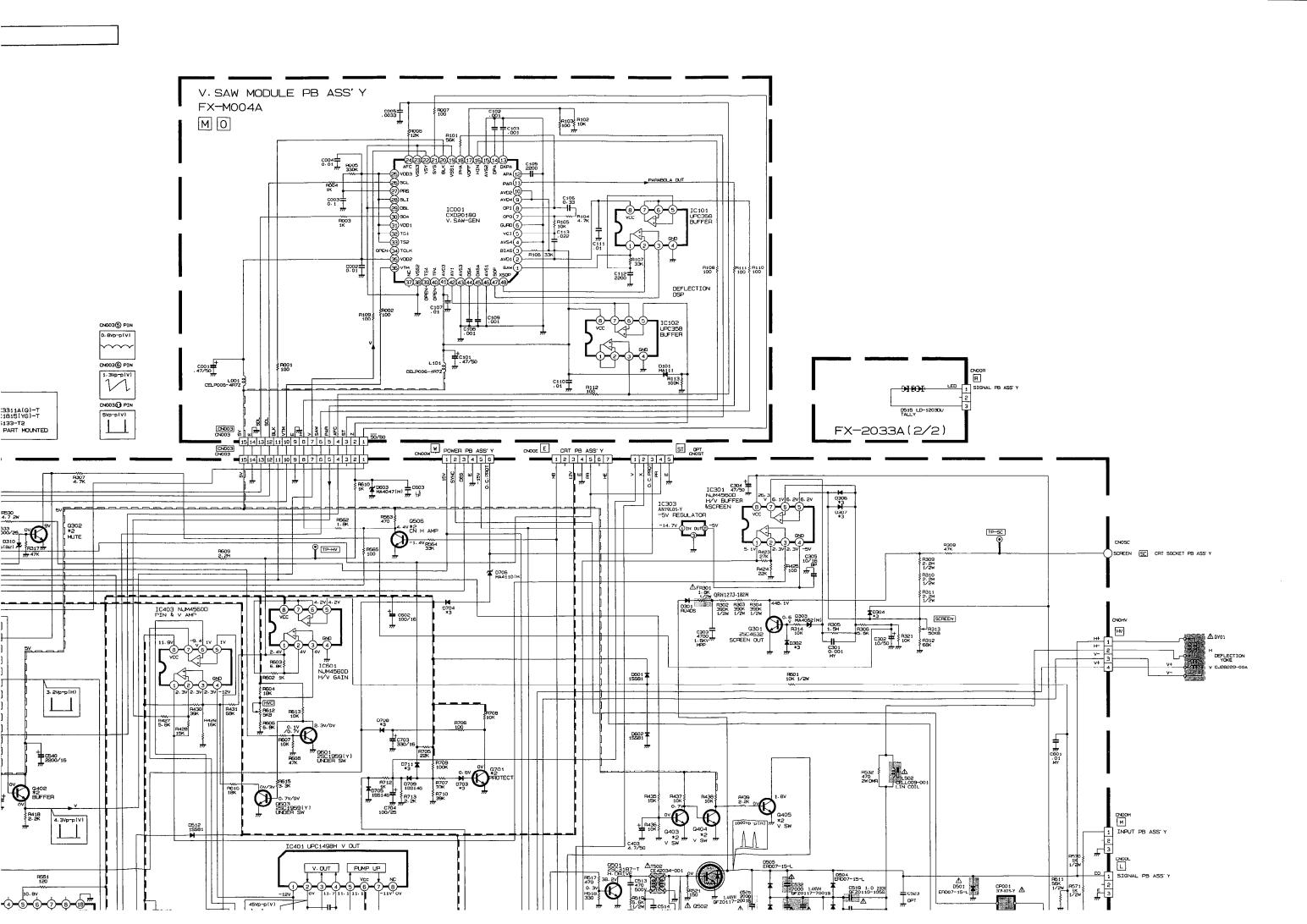


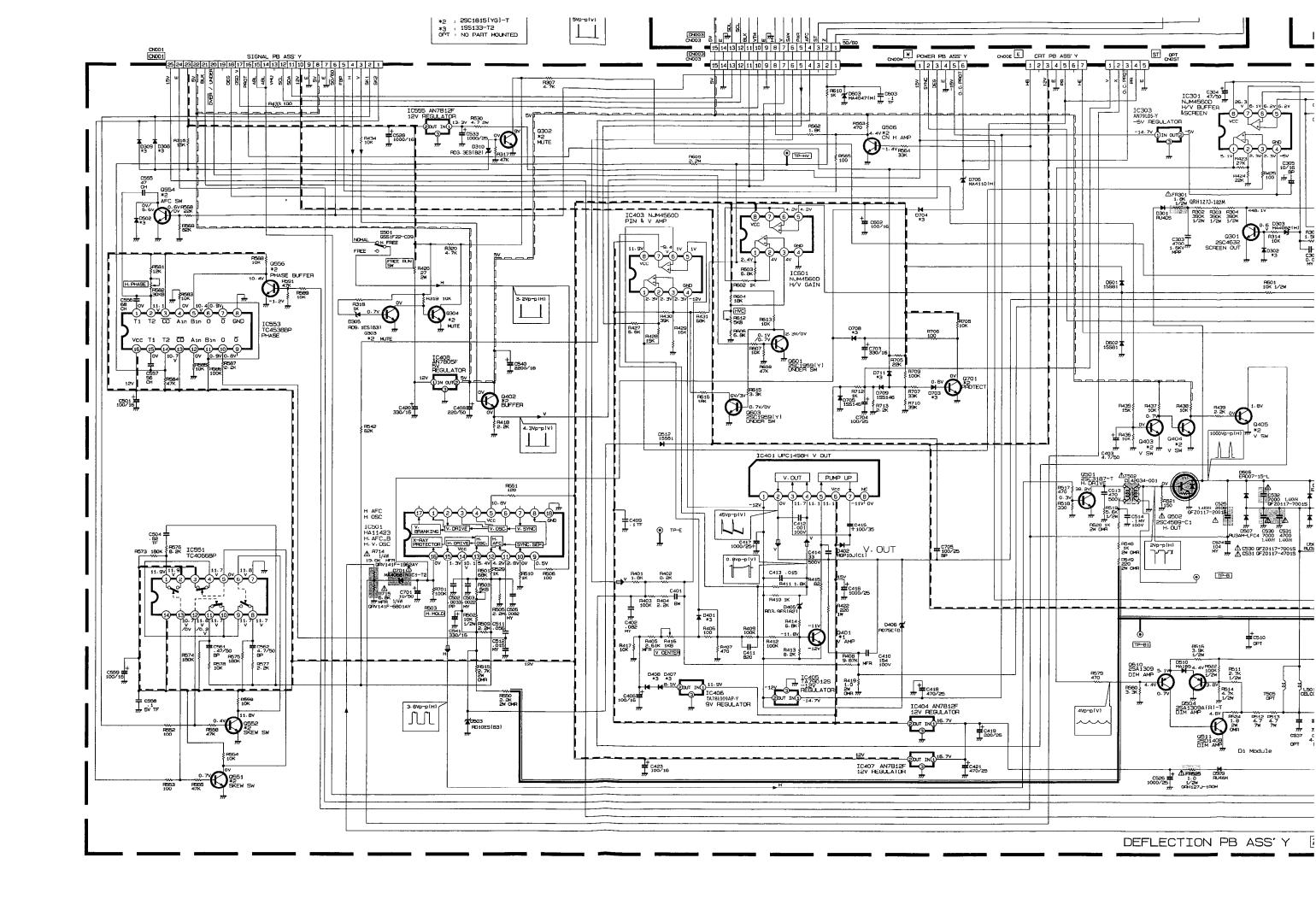


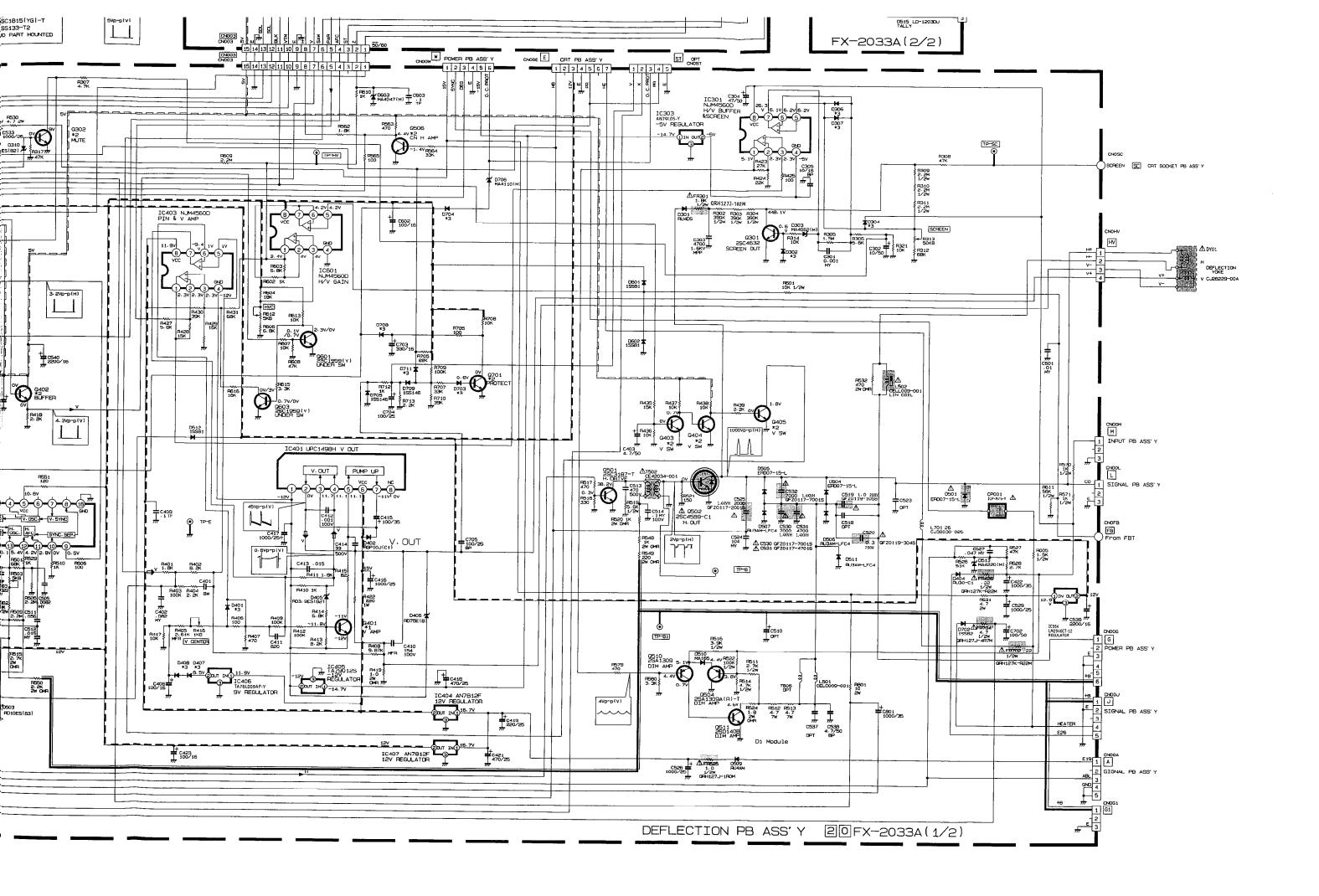




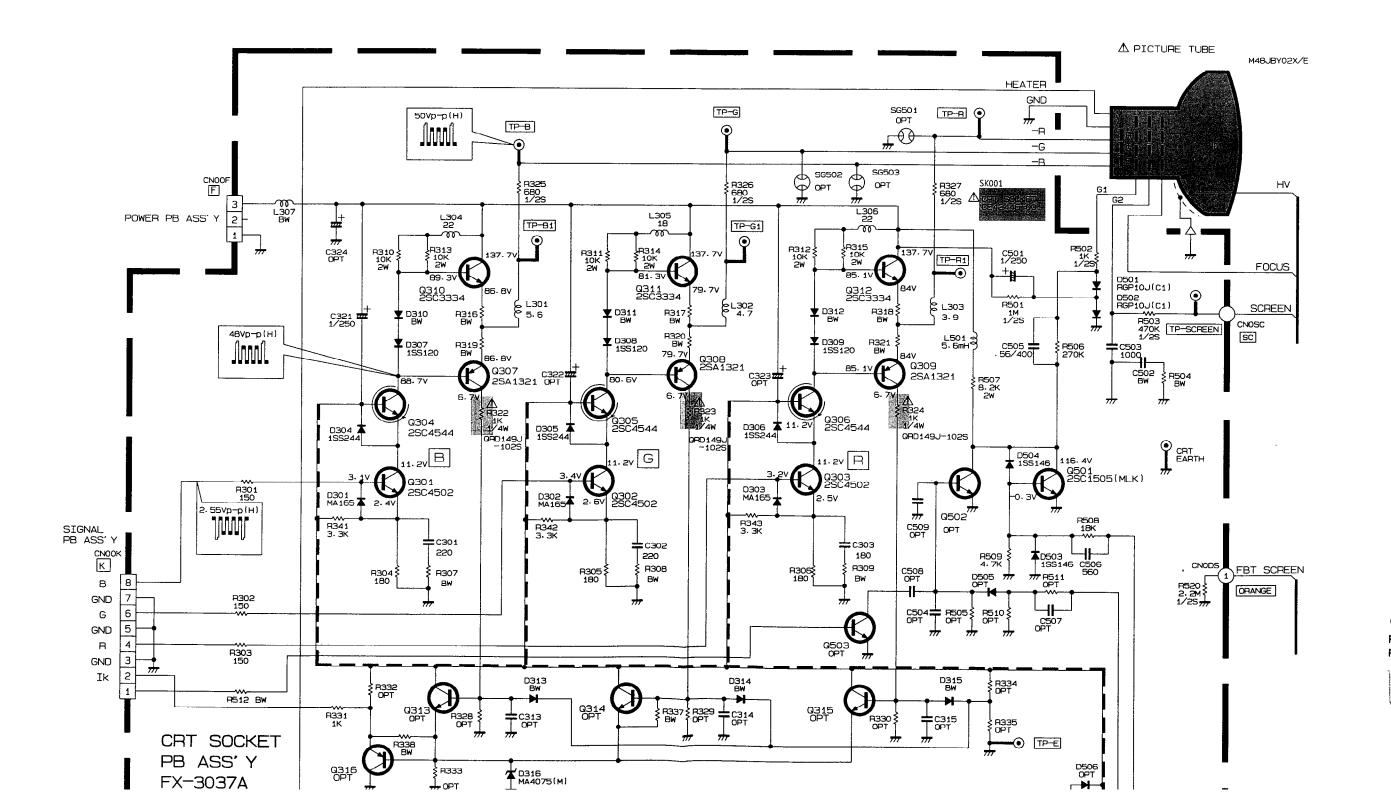


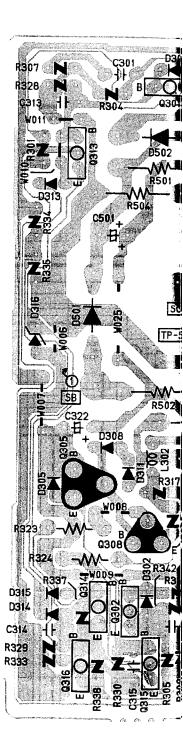


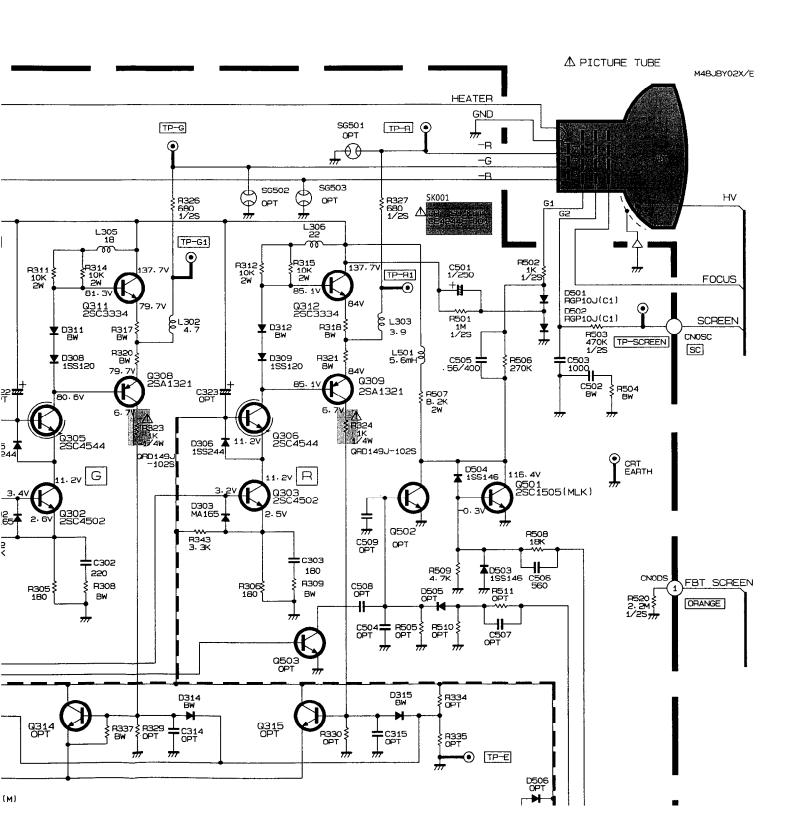


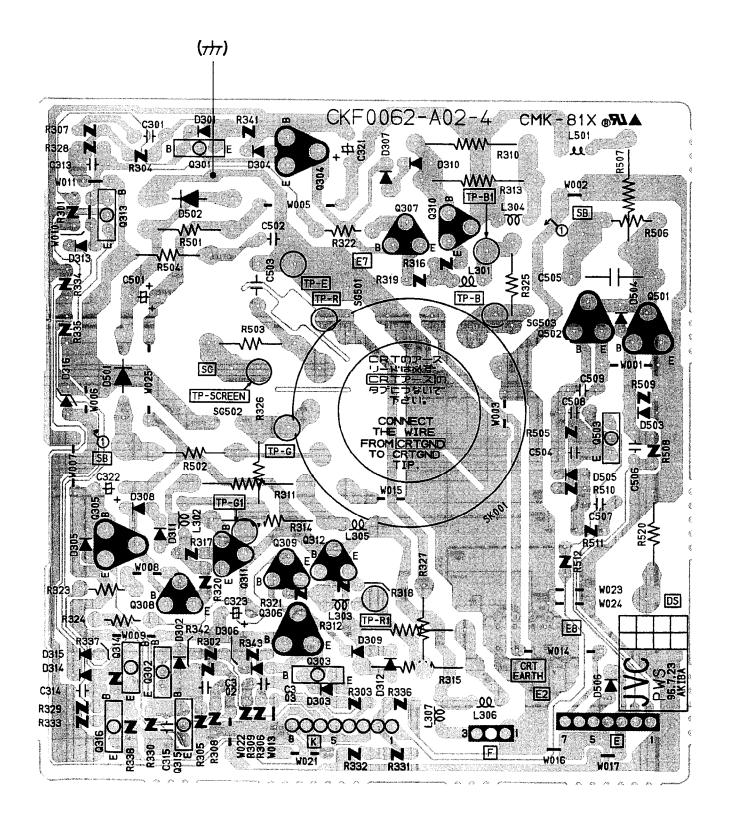


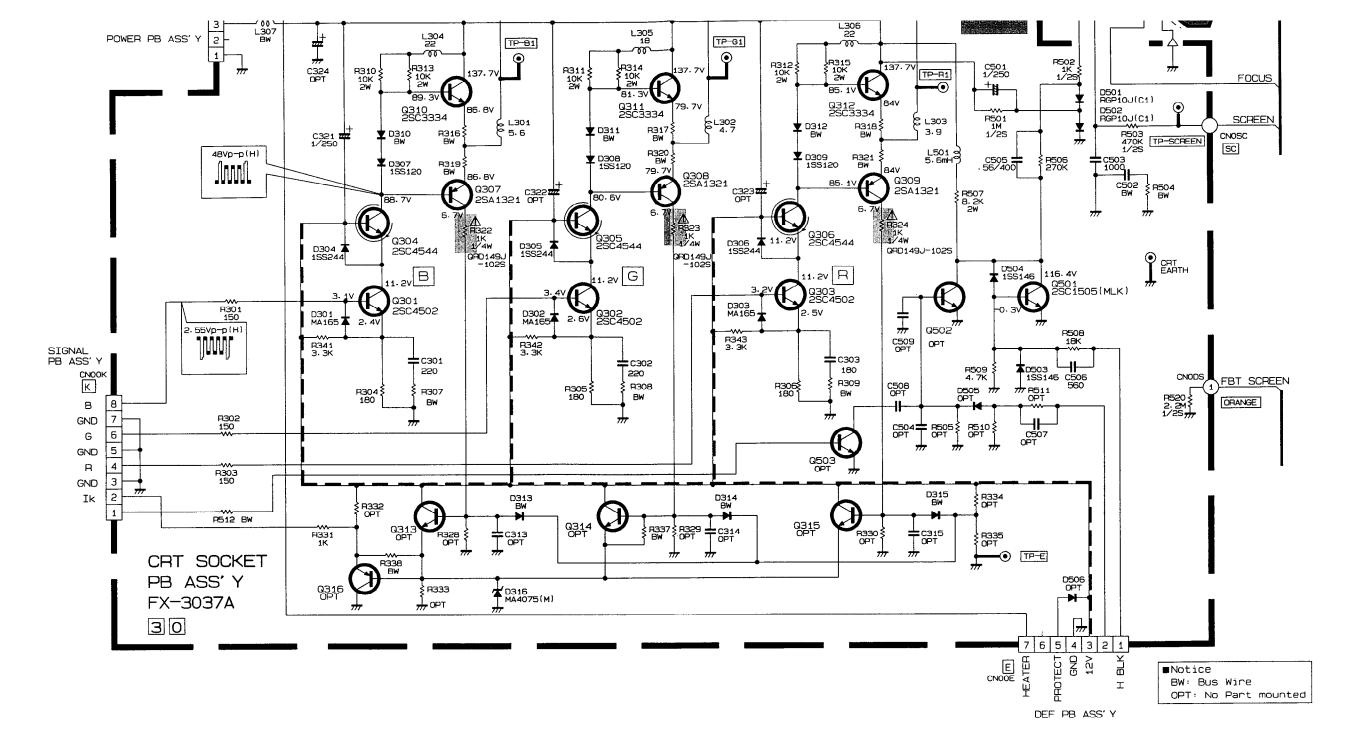


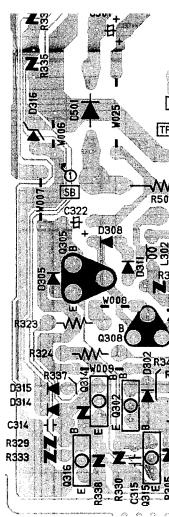


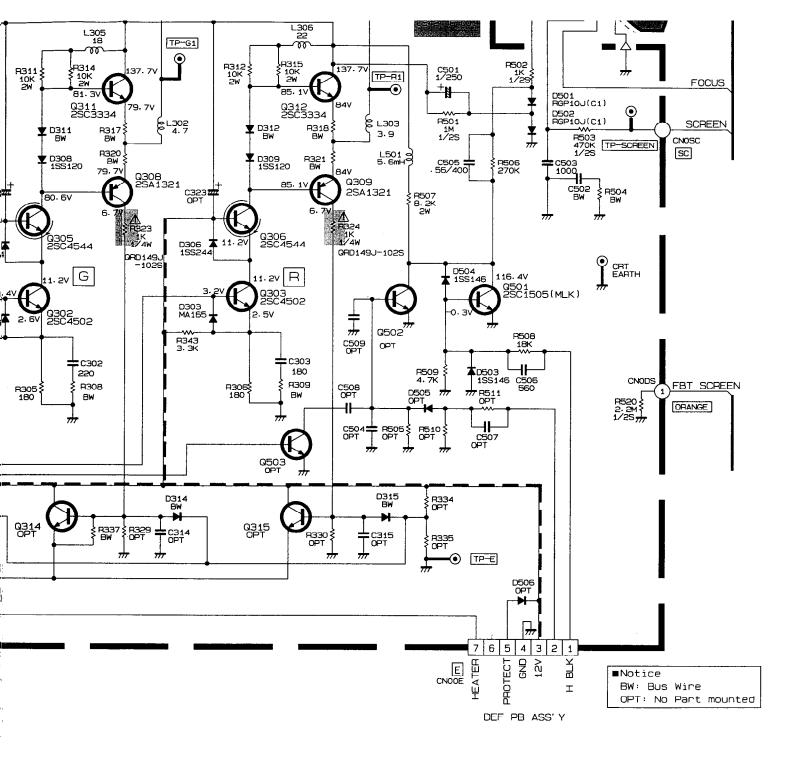


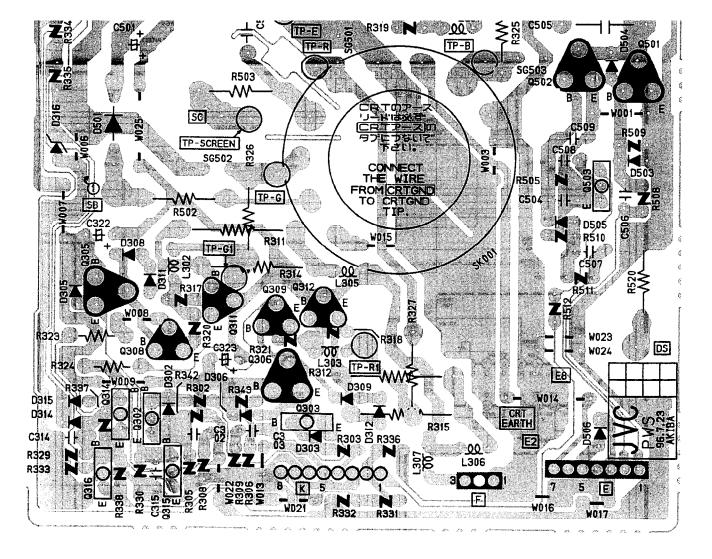




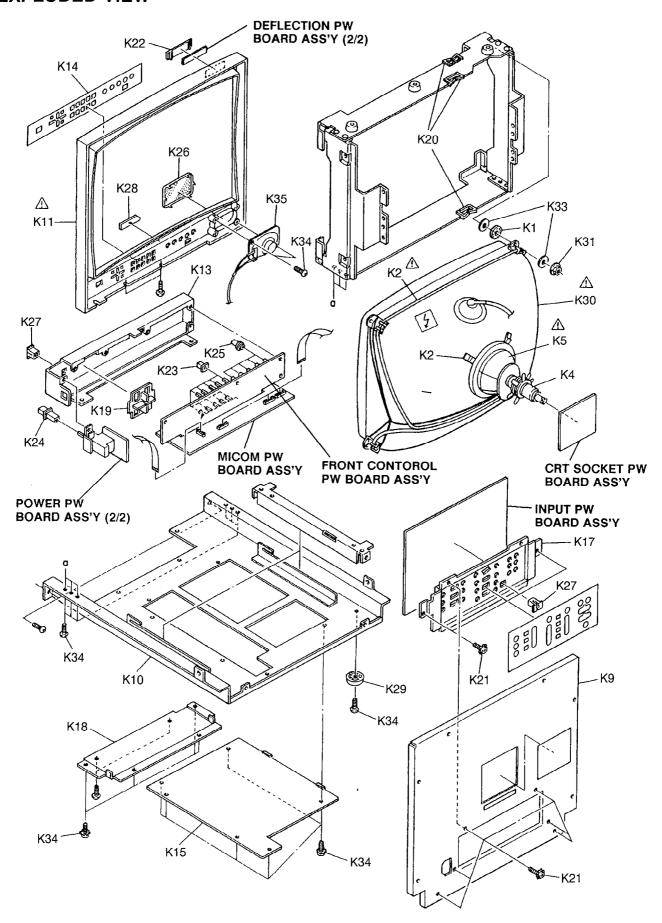


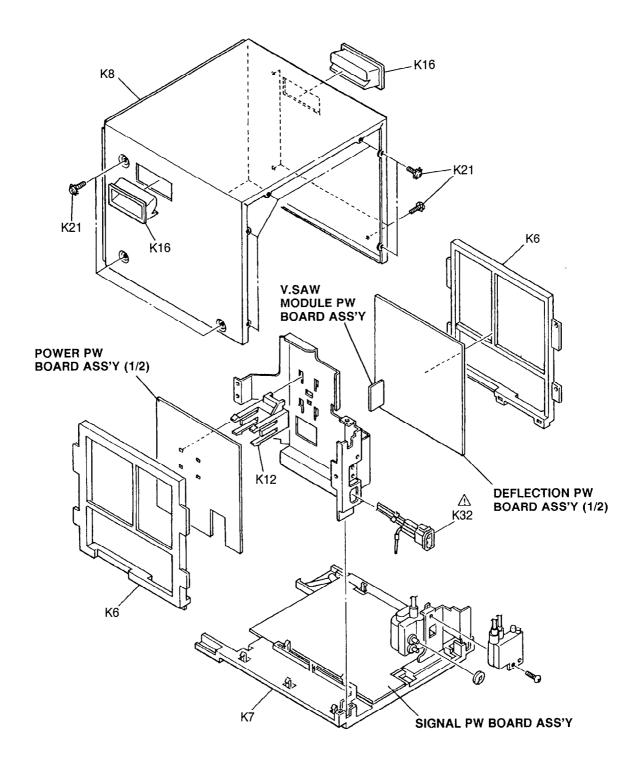






EXPLODED VIEW





REPLACEMENT PARTS LIST

- Important Safety Notice -

Components identified by the International symbol Δ have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

Abbreviation of Part Name and Descritpion

1. Resistor

Example:

C 100KOHM, J, 1/4W

TYPE

ALLOWANCE

TYPE	ALLOWANCE
C : Carbon	F: ±1%
F : Fuse	G: ±2%
M: Metal Oxide	J : ±5%
Metal Film	K : ±10%
S : Solid W : Wire Wound	M: ±20%

2. Capacitor

Example:

<u>C</u> 0.01PF, <u>Z</u>, 50V

TYPE

ALLOWANCE

TYPE	ALLOWANCE
C : Ceramic E : Electrolytic P : Polyester PP : Polypropylene S : Styrol T : Tantalum	C: ±0.25pF D: ±0.5pF F: ±1pF J: ±5% K: ±10% L: ±15% M: ±20% P: +100%, -0% Z: +80%, -20%

Note: For G \bigcirc of Ref. No., not indicate illustration of it part on "Exploded Views". Printed wiring board assembly with mark (RTL) is no longer available after production discontinuation of the complete set.

	Ref. No.	Part No.	Description		Ref. No.	Part No.	Description
		MECANICAL PAR	RTS		K29	CN40054-00F	FOOT
				1	G6	CP11224-052	CARTON
	K1	A48094-1	RUBBER CUSHION		G7	CP11441-A0A	CUSHION
Δ	K2	CELD056-001	DEGAUSSING COIL		G8	CP20714-001	POWER CORD CASE
	G1	CEMG002-001Z	FUSE HOLDER		G9	CP30974-005	SET COVER
	K3	CE40764-00A	DY WEDGE		G10	CP30975-001	BAG
	K4	CE42378-00B	MAGNET		G11	CP40248-001	TOP COVER
	G2	CHFB10924BDN	FFC CABLE	١,	G12	LCT0051-001A	INSTRUCTION BOOK
	G3	CHFB11318BDN	FFC CABLE	Δ	K30	M48JBY02X/E	COLOR PICTURE TUBE
Δ	K5	CJ28229-00A	DEFLECTION YOKE		K31	NFS5000Z	NUT
	K6	CM12530B01V0	PB BASE	Δ	K32	QMCB004-001	3P INLET
	K7	CM12531001V0	CHASSIS BASE	Δ	G13	QMPP010200JC	POWER CORD (For EN)
	K8	CM12690-002	TOP COVER	Δ	G14	QMP4908-200K	POWER CORD (For UK)
	K9	CM12692-00A	REAR PANEL		G15	QPGA01503005	BAG
	K10	CM12694-A0A	BOTTOM BASE		K33	Q03091-152	WASHER
	K11	CM1269700EM0	FRONT PANEL		K34	SBSF4012Z	SCREW
ı	K12	CM22752001V0	TRANS HOLDER		K35	9050-03T	SPEAKER
	K13	CM22909-A01	CONTROL BRACKET	l			
	K14	CM22912-004	CONTROL PANEL				
	K15	CM22919-001	BOTTOM SHIELD				
	K16	CM35326-002	HANDLE			INTEGRATED CIP	RCUITS
	K17	CM35946-A01	TERMINAL PANEL			-	
İ	K18	CM36249-A01	SHIELD COVER		ICM001	CXD2018Q	MOS IC (OTHER LOGIC)
	K19	CM36251-002	CURSOR KNOB		ICM101	UPC358G-W	LINEAR IC
	G4	CM36586-004R	MODEL NAME LABEL		ICM102	UPC358G-W	LINEAR IC
	K20	CM41393-001	CLAMPER		IC1101	TC4053BP	MOS IC (CMOS LOGIC)
	K21	CM44287-00C	SCREW		IC1201	AN5625N	LINEAR IC
-	K22	CM44530-E01	TALLY PLATE		IC1202	TC4053BP	MOS IC (CMOS LOGIC)
ĺ	K23	CM46044-002	PUSH KNOB		IC1203	AN5640	LINEAR IC
	K24	CM46115-003	POWER KNOB		IC1204	UPC358HA	LINEAR IC
-	K25	CM47853-006	VOLUME KNOB		IC1301	UPC358HA	LINEAR IC
	K26	CM47947-002	SPEAKER NET		IC1302	UPC358HA	LINEAR IC
	K27	CM48005-001	LINKAGE BUSHING		IC1303	UPC358HA	LINEAR IC
	G 5	CM48038-001	LED HOLDER		IC1304	TC4053BP	MOS IC (CMOS LOGIC)
	K28	CM48199-A01	PANASONIC BADGE		IC1305	TC4053BP	MOS IC (CMOS LOGIC)

	Ref. No.	Part No.	Description		Ref. No.	Part No.	Description
	IC1401	TDA4672	LINEAR IC		Q1205	2SC2712(YG)	TRANSISTOR
	IC1402	TDA4680/V6	LINEAR IC		Q1206	2SC2712(YG)	TRANSISTOR
	IC1403	AN7808	LINEAR IC		Q1207	2SC2712(YG)	TRANSISTOR
	IC1501	TC4053BP	MOS IC (CMOS LOGIC)		Q1208	2SC2712(YG)	TRANSISTOR
	IC1502	TC4538BP	MOS IC (CMOS S/LOGIC)		Q1210	2SC2712(YG)	TRANSISTOR
	IC1503	TC4538BP	MOS IC (CMOS S/LOGIC)		Q1212	2SC2712(YG)	TRANSISTOR
	IC1504	TC4538BP	MOS IC (CMOS S/LOGIC)		Q1301	2SC2712(YG)	TRANSISTOR
	IC1505	TC4538BP	MOS IC (CMOS S/LOGIC)		Q1302	2SC2712(YG)	TRANSISTOR
	IC1506	TC4538BP	MOS IC (CMOS S/LOGIC)		Q1303	2SK374	FET
	IC1507	TC4538BP	MOS IC (CMOS S/LOGIC)		Q1304	2SC2712(YG)	TRANSISTOR
	IC1508	TC4538BP	MOS IC (CMOS S/LOGIC)		Q1305	2SC2712(YG)	TRANSISTOR
	IC1509	TC4053BP	MOS IC (CMOS LOGIC)		Q1306	2SC2712(YG)	TRANSISTOR
	IC1510	HD74LS00P	MOS IC (TTL)		Q1307	2SA1162YG	TRANSISTOR
	IC1511	HD74LS05P	MOS IC (TTL)		Q1308	2SC2712(YG)	TRANSISTOR
	IC1601	AN5265	LINEAR IC		Q1331	2SC2712(YG)	TRANSISTOR
	IC2301	NJM4560D	LINEAR IC		Q1332	2SC2712(YG)	TRANSISTOR
	IC2303	AN79L05-Y	LINEAR IC		Q1333	2SK374	FET
	IC2401	UPC1498H	LINEAR IC		Q1334	2SC2712(YG)	TRANSISTOR
	IC2403	NJM4560D	LINEAR IC		Q1361	2SC2712(YG)	TRANSISTOR .
	IC2404	AN7812F	LINEAR IC		Q1362	2SC2712(YG)	TRANSISTOR
	IC2405	TA79012S	LINEAR IC		Q1363	2SK374	FET
	IC2406		LINEAR IC		Q1364	2SC2712(YG)	TRANSISTOR
	IC2407	AN7812F	LINEAR IC		Q1451	2SC2712(YG)	TRANSISTOR
	IC2408	AN7805F	LINEAR IC		Q1452	2SC2712(YG)	TRANSISTOR
	IC2501	HA11423	LINEAR IC		Q1453	2SC2712(YG)	TRANSISTOR
	IC2551	TC4066BP	MOS IC (CMOS LOGIC)		Q1454	2SA1162YG	TRANSISTOR
	IC2553	TC4538BP	MOS IC (CMOS S/LOGIC)		Q1455	2SC2712(YG)	TRANSISTOR
	IC2554	LM2940CT-12	LINEAR IC		Q1456	2SC2712(YG)	TRANSISTOR
	IC2555	AN7812F	LINEAR IC		Q1457	2SC2712(YG)	TRANSISTOR
	IC2601	NJM4560D	LINEAR IC		Q1458	2SC2712(YG)	TRANSISTOR
	IC5101	MB89647PF140	MOS IC (8BIT)		Q1459	2SC2712(YG)	TRANSISTOR
	IC5102	MB90077PF109	MOS IC (OTHER LOGIC)		Q1460	2SC2712(YG)	TRANSISTOR
	IC5103	ST24BM-1400	MOS IC (EEP ROM)		Q1461	2SC2712(YG)	TRANSISTOR
	IC5105	GP1U781Q	HYBRID IC	'	Q1462	2SC2712(YG)	TRANSISTOR
	IC5106	HD74HC158FP	MOS IC (CMOS S/LOGIC)		Q1501	2SA1162YG	TRANSISTOR
	IC5108	HD74HC32FP	MOS IC (CMOS S/LOGIC)		Q1502	2SC2712(YG)	TRANSISTOR
	IC5401	UPC4558G-W	LINEAR IC		Q1503	2SC2712(YG)	TRANSISTOR
	IC6201	LA7016	LINEAR IC		Q1504	2SC2712(YG)	TRANSISTOR
	IC6601	TC4066BP	MOS IC (CMOS LOGIC)		Q1505	2SC2712(YG)	TRANSISTOR
	IC6701	TC4053BP	MOS IC (CMOS LOGIC)		Q1506	2SA1162YG	TRANSISTOR
١, ١	IC6801	HD74LS04P	MOS IC (TTL)		Q1507	2SC2712(YG)	TRANSISTOR
	IC9001	FA5301BP	LINEAR IC		Q1508	2SC2712(YG)	TRANSISTOR
					Q1509 Q1510	2SC2712(YG)	TRANSISTOR
						2SA1162YG	TRANSISTOR TRANSISTOR
		TRANSISTORS	}		Q1511	2SC2712(YG)	TRANSISTOR
		TRANSISTORS	l i		Q1512 Q1513	2SC2712(YG) 2SC2712(YG)	TRANSISTOR
	Od is:	0000740070	TRANSISTOR		Q1513	2SC2712(YG)	TRANSISTOR
	Q1101	2SC2712(YG)	TRANSISTOR		Q1514 Q1515	2SC2712(YG)	TRANSISTOR
	Q1102	2SC2712(YG)	TRANSISTOR		Q1313 Q2301	2SC4632	TRANSISTOR
	Q1103	2SC2712(YG)	TRANSISTOR		Q2302	2SC1815Y	TRANSISTOR
	Q1104	2SC2712(YG)	TRANSISTOR		Q2303	2SC1815Y	TRANSISTOR
	Q1105	2SC2712(YG) 2SA1162YG	TRANSISTOR		Q2304	2SC1815Y	TRANSISTOR
	Q1106 Q1107	2SA1162YG 2SA1162YG	TRANSISTOR TRANSISTOR		Q2401	2SC3311A	TRANSISTOR
	Q1107 Q1108	2SC2712(YG)	TRANSISTOR		Q2402	2SC1815Y	TRANSISTOR
	Q1108 Q1109		TRANSISTOR		Q2403	2SC1815Y	TRANSISTOR
	Q11109 Q11110	2SC2712(YG) 2SC2712(YG)	TRANSISTOR		Q2404	2SC1815Y	TRANSISTOR
	Q1111	2SC2712(YG) 2SC2712(YG)	TRANSISTOR		Q2405	2SC1815Y	TRANSISTOR
	Q1111	2SC2712(YG)	TRANSISTOR		Q2501	2SC3187	TRANSISTOR
	Q1112 Q1113	2SC2712(YG)	TRANSISTOR	Δ	Q2502	2SC4589	TRANSISTOR
	Q1113	2SC2712(YG)	TRANSISTOR		Q2504	2SA1309AR	TRANSISTOR
	Q1115	2SC2712(YG)	TRANSISTOR		Q2506	2SC1815Y	TRANSISTOR
	Q1116	2SA1162YG	TRANSISTOR		Q2510	2SA1309AR	TRANSISTOR
	Q1117	2SA1162YG	TRANSISTOR		Q2511	2SD1408(0Y)	TRANSISTOR
	Q1118	2SC2712(YG)	TRANSISTOR		Q2551	2SC1815Y	TRANSISTOR
	Q1201	2SC2712(YG)	TRANSISTOR		Q2552	2SC1815Y	TRANSISTOR
	Q1202	2SC2712(YG)	TRANSISTOR		Q2554	2SC1815Y	TRANSISTOR
	Q1203	2SC2712(YG)	TRANSISTOR		Q2556	2SC1815Y	TRANSISTOR
	Q1204	2SC2712(YG)	TRANSISTOR		Q2601	2SC1959(Y)-T	TRANSISTOR

Ref. No.	Part No.	Description		Ref. No.	Part No.	Description
Q2603	2SC1959(Y)-T	TRANSISTOR		Q9002	2SC1959(Y)-T	TRANSISTOR
Q2701	2SC1815Y	TRANSISTOR		Q9003	2SA562TM	TRANSISTOR
Q3301	2SC4502	TRANSISTOR	Δ		2SK1118	FET
Q3302	2SC4502	TRANSISTOR	"	Q9005	2SD1409	TRANSISTOR
Q3303	2SC4502	TRANSISTOR	-	1		TRANSISTOR
Q3304	2SC4544	TRANSISTOR		Q9008	2SA1370(E)	
Q3305	2SC4544	TRANSISTOR		Q9012		TRANSISTOR
Q3306	2SC4544	TRANSISTOR	- 1	Q9012	2SC1472K(AB)	TRANSISTOR
Q3307	2SA1321	TRANSISTOR				
Q3308	2SA1321					
Q3309		TRANSISTOR				
1	2\$A1321	TRANSISTOR			DIODES	
Q3310	2SC3334	TRANSISTOR	-			
Q3311	2SC3334	TRANSISTOR		DM101	MA111	DIODE
Q3312	2SC3334	TRANSISTOR		D1101	MA151K	DIODE
Q3501	2SC1505	TRANSISTOR		D1201	MA151K	DIODE
Q5101	2SC2712(YG)	TRANSISTOR	-	D1202	MA151K	DIODE
Q5102	2SC2712(YG)	TRANSISTOR	i	D1203	MA151K	DIODE
Q5103	2SC2712(YG)	TRANSISTOR				1
Q5104	2SC2712(YG)	TRANSISTOR		D1451	MA3082M	ZENER DIODE
Q5105	2SC2712(YG)	TRANSISTOR		D1452	MA3082M	ZENER DIODE
Q5106	2SC2712(YG)	TRANSISTOR	- 1	D1453	MA3082M	ZENER DIODE
	2SC2712(YG)	TRANSISTOR	- 1	D1454	MA3082M	ZENER DIODE
Q5202	2SA1162YG	TRANSISTOR	ı	D1455	MA3082M	ZENER DIODE
Q5202 Q5203	2SC2712(YG)			D1456	MA3082M	ZENER DIODE
		TRANSISTOR		D1501	MA151K	DIODE
	2SA1162YG	TRANSISTOR		D1552	1SS133	DIODE
1	2SC2712(YG)	TRANSISTOR		D1553	1SS133	DIODE
	2SA1162YG	TRANSISTOR		D1554	MA151K	DIODE
	2SC2712(YG)	TRANSISTOR	1	D1702	1SS81	DIODE
_	2SC2712(YG)	TRANSISTOR		D2301	RU4DS	DIODE
	2SC2712(YG)	TRANSISTOR	- 1	D2302	1SS133	DIODE
	2SC2712(YG)	TRANSISTOR		D2303	MA4062M	ZENER DIODE
Q5301	2SA1162YG	TRANSISTOR	-	D2304	1SS133	DIODE
Q5302	2SA1162YG	TRANSISTOR	- 1	1		1
Q5303	2SA1162YG	TRANSISTOR		D2305	RD9.1E	ZENER DIODE
	2SC2712(YG)	TRANSISTOR		D2306	1SS133	DIODE
	2SC2712(YG)	TRANSISTOR	1	D2307	1SS133	DIODE
	2SC1740S	TRANSISTOR		D2308	1 S S133	DIODE
	2SC1740S		1	D2309	188133	DIODE
		TRANSISTOR		D2310	RD3.3E	ZENER DIODE
	2SC1740S	TRANSISTOR		D2401	1SS133	DIODE
	2SC1740S	TRANSISTOR	ı	D2402	TVSRGP10J	DIODE
	2SC1740S	TRANSISTOR		D2404	RU30	DIODE
	2SK301(Q)-T	FET	ļ	D2405	RD3.9ES(B2)	ZENER DIODE
	2SC1740S	TRANSISTOR	- 1	D2406	RD75EB	DIODE
Q6302	2SC1740S	TRANSISTOR			1SS133	DIODE
	2SC1740S	TRANSISTOR	1	D2408	1SS133	DIODE
Q6601	2SC1740S	TRANSISTOR	Δ	D2501	ERD07-15	DIODE
Q6602	2SC1740S	TRANSISTOR	دنه	D2501 D2502	1SS133	DIODE
Q6603	2SC1740S	TRANSISTOR		D2502 D2503		
Q6604	2SC1740S	TRANSISTOR		l F	RD11E	ZENER DIODE
Q6605	2SC1740S	TRANSISTOR		D2504	ERD07-15	DIODE
	2SC1740S	TRANSISTOR			ERD07-15	DIODE
I	2SC1740S	TRANSISTOR			RU3AM	DIODE
	2SC1740S	TRANSISTOR		D2507	RU3AM	DIODE
	2SC1740S	TRANSISTOR		D2509	RU4AM	DIODE
	2SC1740S	TRANSISTOR		D2510	MA165	DIODE
				D2511	RU3AM	DIODE
I	2SC1740S	TRANSISTOR		D2512	1SS81	DIODE
1	2\$A933\$	TRANSISTOR		D2513	MA4220M	ZENER DIODE
	2SC1740S	TRANSISTOR			LD-1203DU	LED
	2SC1740S	TRANSISTOR		Į.	1SS81	DIODE
I .	2SC1740S	TRANSISTOR			1881	DIODE
1	2SA933S	TRANSISTOR			MA4047M	ZENER DIODE
	2SC1740S	TRANSISTOR	A			
26714 2	2SC1740S	TRANSISTOR	△ D2701 RD6.8E DIODE			
T I	2SC1740S	TRANSISTOR	D2702 1SS83 DIODE			
	2SC1740S	TRANSISTOR	D2703 1SS133 DIODE			
	2SC1740S	TRANSISTOR	D2704 1SS133 DIODE			
,	2SC1740S	TRANSISTOR	D2705 1SS146 DIODE		1	
I .	2SC1740S 2SC1740S	TRANSISTOR	D2706 MA4110M ZENER DIODE			ZENER DIODE
				1	188133	DIODE
230 (D) 1 d	2SC1959(Y)-T	TRANSISTOR		D2709	1SS146	DIODE
4 000. .						
40001				- 1		

Re	ef. No.	Part No.	Description		Ref. No.	Part No.	Description
D2	2711	1SS133	DIODE		D5713	MA3056L	DIODE
	3301	MA165	DIODE		D5714	MA8056	DIODE
	3302	MA165	DIODE		D5715	MA3056L	DIODE
D3	3303	MA165	DIODE	ļ	D5716	MA8056	DIODE
D3	3304	1SS83	DIODE	İ	D5717	MA3150M	DIODE
D3	3305	1SS83	DIODE		D5718	MA3056L	DIODE
D3	3306	1SS83	DIODE		D5719	MA8130	ZENER DIODE
F 1	3307	1SS120	DIODE		D5720	MA3056L	DIODE
	3308	1SS120	DIODE		D5721	MA3056L	DIODE
1 1	3309	1SS120	DIODE		D5722 D5723	MA3056L MA8056	DIODE
	3316	MA4075M	ZENER DIODE	ļ	D5723	MA3150M	DIODE
1 1	3501	TVSRGP10J TVSRGP10J	DIODE	Ì	D5725	MA8130	ZENER DIODE
1 1	3502 3503	1SS146	DIODE		D5726	MA3056L	DIODE
1 1	3504	1SS146	DIODE		D5727	MA8056	DIODE
1 1	4101	MA165	DIODE		D5728	MA3056L	DIODE
1 1	4102	MA165	DIODE		D5729	MA3056L	DIODE
	4103	MA165	DIODE	-	D5730	MA3056L	DIODE
D4	4104	MA165	DIODE		D5731	MA3056L	DIODE
D4	4105	MA165	DIODE		D5732	MA3056L	DIODE ·
D4	4106	MA165	DIODE		D6201	1SS133	DIODE
	4107	MA165	DIODE		D6202	188133	DIODE
1 1	4108	MA165	DIODE		D6203	1SS133	DIODE DIODE
	4109	MA165	DIODE		D6204	1SS133 1SS133	DIODE
	4110	MA165	DIODE		D6205 D6206	188133 188133	DIODE
	4111 4112	MA165 MA165	DIODE		D6206	1SS133	DIODE
	4113	MA165	DIODE		D6208	188133	DIODE
1 1	4114	MA165	DIODE	ļ	D6209	188133	DIODE
1 1	4115	RD5.6E	ZENER DIODE		D6211	1SS133	DIODE
1 1	4116	RD5.6E	ZENER DIODE		D6212	1SS133	DIODE
D4	4117	RD5.6E	ZENER DIODE		D6301	188133	DIODE
_ ס₄	4118	RD5.6E	ZENER DIODE		D6302	1SS133	DIODE
D4	4119	RD5.6E	ZENER DIODE		D6303	1\$\$133	DIODE
D ₄	4120	GL5KG8	LED		D6701	188133	DIODE
	4121	MA165	DIODE		D6702	188133	DIODE
4 1	4122	MA165	DIODE		D6703 D6704	1SS133 1SS133	DIODE
	4123	MA165	DIODE DIODE		D6704	188133	DIODE
	5101 5102	MA3056L MA3056L	DIODE		D6706	188133	DIODE
1 1	5102	MA3056L	DIODE		D6707	1SS133	DIODE
	5104	MA3056L	DIODE	-	D6708	1\$\$133	DIODE
	5105	MA3056L	DIODE		D6709	1SS133	DIODE
1 1	5106	MA3056L	DIODE		D6710	1SS133	DIODE
ים	5107	MA3056L	DIODE		D6711	1SS133	DIODE
D	5108	MA3056L	DIODE		D6712	1SS133	DIODE
	5109	MA3056L	DIODE		D6801	188133	DIODE
1	5110	MA3056L	DIODE		D6802	188133	DIODE
	5111	MA3056L	DIODE		D6803 D6804	1SS133 1SS133	DIODE
1 1	5112	MA3043	DIODE		D6804 D6805	188133	DIODE
	5113 5114	MA151K MA151K	DIODE		D6806	188133	DIODE
1 1	5301	MA151K	DIODE		D6807	1SS133	DIODE
1 1	5501	MA3056L	DIODE		D6808	1SS133	DIODE
	5502	MA3056L	DIODE		D6809	188133	DIODE
1 1	5503	MA3056L	DIODE		D6810	1SS133	DIODE
i 1	5504	MA3056L	DIODE	Δ	D9001	S4VB60	DIODE
D	5701	MA3150M	DIODE		D9005	TVSRG2	DIODE
1 1	5702	MA3056L	DIODE	l	D9006	FML-G12S	DIODE
1 1	5703	MA3056L	DIODE		D9009	1SS133	DIODE
	5704	MA3056L	DIODE		D9010	RL4Z	DIODE
	5705	MA3150M	DIODE		D9012 D9013	EU2A 1SS133	DIODE
)5706)5707	MA3150M	DIODE		D9013	188133	DIODE
)5707)5708	MA3056L	DIODE		D9016	188133	DIODE
1 1)5708)5709	MA3056L MA3150M	DIODE		D9017	188133	DIODE
	05710	MA3150M	DIODE		D9018	RG4C	DIODE
1 1	05711	MA3150M	DIODE		D9019	RG4C	DIODE
3 1	5712	MA8130	ZENER DIODE		D9020	1SS133	DIODE
		1		l			

	Ref. No.	Part No.	Description		Ref. No.	Part No.		De	scrip	otion
	D9021 D9022 D9023 D9024 D9026 D9027 D9028 D9032 D9033	RD6.8E RD6.8E MA4110M RD5.6E RD18ES(B3) MA4300M 1SS81 1SS81 RD3.3E	DIODE DIODE ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE DIODE DIODE DIODE ZENER DIODE	A A A	FR9901 FR9902 FR9903 RM001 RM002 RM003 RM004 RM005 RM006	QRH127K-R22M QRSA08J101YL QRSA08J101YL QRSA08J102YL QRSA08J102YL QRSA08J334YL QRSA08J123YL	F F M M M M M M	0.22 OHM, 0.22 OHM, 0.22 OHM, 100 OHM, 100 OHM, 1KOHM, 330KOHM,	J, J ,	1/2W 1/2W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W
Δ.	LM001 LM101 L1101 L1102 L1103 L1104 L1201 L1202 L1203 L1204 L1206 L1207 L1601 L2501 L2501 L2502 L2701 L3301 L3302 L3303 L3304 L3305 L3306 L3501 L5101 L5102 L5103 L6701	COILS CELP006-4R7Z CELP006-4R7Z CELP006-4R7Z CELP026100Z CELP0265R6Z CELP0265R6Z CELP0268R2Z CELP0268R2Z CELP026390Z CELP0264R7Z CELP026820Z CELP026820Z CELP0264R7Z CELP026903 CELP026-4R7Z CELP026-5R6Z CELP026-4R7Z CELP026-4R7Z CELP026-4R7Z CELP026-4R7Z CELP026-4R7Z CELP026-389Z CELP026-20Z CELP026-180Z CELP026-20Z CELP026-180Z CELP026-20Z CELP026-330Z CELP008100YL CELP008100YL CELP008330YL CELP026-330Z	PEAKING COIL 4.7U PEAKING COIL 4.7U PEAKING COIL 10U PEAKING COIL 15U PEAKING COIL 5.6U PEAKING COIL 2.7U PEAKING COIL 8.2U PEAKING COIL 4.7U PEAKING COIL 4.7U PEAKING COIL 8.2U PEAKING COIL 8.2U PEAKING COIL 5.6U PEAKING COIL 4.7U CHOKE COIL LINIARITY COIL HEATER CHOKE PEAKING COIL 5.6U PEAKING COIL 2.2U PEAKING COIL 2.2U PEAKING COIL 2.2U PEAKING COIL 5.60U CHIP COIL CHIP COIL INDUCTOR PEAKING COIL 33U		RM007 RM101 RM102 RM103 RM104 RM105 RM106 RM107 RM108 RM109 RM110 RM111 RM112 RM113 R1002 R1003 R1004 R1005 R1006 R1008 R1010 R1011 R1012 R1013 R1012 R1013 R1012 R1022 R1023 R1024 R1025 R1026 R1027	QRSA08J101YL QRSA08J563YL QRSA08J563YL QRSA08J103YL QRSA08J103YL QRSA08J103YL QRSA08J103YL QRSA08J103YL QRSA08J333YL QRSA08J101YL QRSA08J101YL QRSA08J101YL QRSA08J101YL QRSA08J101YL QRSA08J101YL QRSA08J101YL QRSA08J10YL QRSA08J10YL QRSA08J10YL QRSA08J0ROYL QRSA0BJ0ROYL	M M M M M M M M M M M M M M M M M M M	100 OHM, 56KOHM, 10KOHM, 10KOHM, 10KOHM, 33KOHM, 33KOHM, 100 OHM, 100 OHM, 100 OHM, 100 OHM, 0 OHM,	\(\frac{1}{2}\), \(\frac{1}\), \(\frac{1}{2}\), \(\frac{1}{2}\), \(\frac{1}{2}\), \(\frac{1}\), \(\frac{1}{2}\), \(\frac{1}{2	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W
	L6702 L6703 L6704 L9901 L9902	CELP026-680Z CELP026-330Z CELP026-680Z CELP006-4R7Z CJ30030-100	PEAKING COIL 68U PEAKING COIL 33U PEAKING COIL 68U PEAKING COIL 4.7U HEATER CHOKE		R1028 R1029 R1030 R1031 R1032 R1033 R1034 R1035	QRSA08J0R0YL QRSA08J0R0YL QRSA08J0R0YL QRSA08J0R0YL QRSA08J0R0YL QRSA08J0R0YL QRSA08J0R0YL QRSA08J0R0YL QRSA08J0R0YL	M M M M M M	0 OHM, 0 OHM, 0 OHM, 0 OHM, 0 OHM, 0 OHM, 0 OHM,	J, J, J, J, J,	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W
		TRANSFORMERS				QRSA08J0R0YL	М	0 OHM,	J,	1/10W
Δ Δ Δ	T701 T1101 T1102 T1201 T2502 T9001 T9002	CJ28256-00A CE41072001 CE40176001 CELT034002 CE42034001 CETS031-001 CE41856-00A	FLYBACK TRANS. BAND PASS FILTER PHASE TRANS. BAND PASS FILTER H DRIVE TRANS. SWITCHING TRANS. DRIVE TRANS.		R1038 R1051 R1052 R1053 R1055 R1056 R1057 R1058 R1101	QRSA08J0R0YL QRSA08J822YL QRSA08J123YL QRSA08J222YL	M M M M M M M M M	0 OHM, 0 OHM, 0 OHM, 3.3KOHM, 0 OHM, 0 OHM, 8.2KOHM, 12KOHM,	J, J, J, J, J, J,	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W
		RESISTORS			R1103	QRSA08J102YL QRSA08J472YL	M M	1KOHM, 4.7KOHM,	J,	1/10W 1/10W
∆ ∆ ∆	FR2426 FR2525 FR2702	QRH127J182M QRH127K-R22M QRH127J1R0M QRH127K-R22M QRH127J4R7M	F 1.8KOHM, J, 1/2W F 0.22 OHM, K, 1/2W F 1 OHM, J, 1/2W F 0.22 OHM, K, 1/2W F 4.7 OHM, J, 1/2W		R1105 R1106 R1107 R1108 R1109	QRSA08J122YL QRSA08J561YL QRSA08J681YL QVPC611202HZ QRSA08J470YL QRSA08J271YL QRSA08J122YL	M M COI M M	47 OHM, 270 OHM,	J, J, KOH J, J,	1/10W 1/10W 1/10W MB 1/10W 1/10W 1/10W

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
R1111	QRSA08J271YL	M 270 OHM, J, 1/10W	R1230	QRSA08J332YL	м з.зконм, J, 1/10W
R1112	QRSA08J102YL	M 1KOHM, J, 1/10W	R1231	QRSA08J332YL	м 3.3KOHM, J, 1/10W
R1113	QRSA08J681YL	M 680 OHM, J, 1/10W	R1232	QRSA08J102YL	M 1KOHM, J, 1/10W
R1114	QRSA08J102YL	M 1KOHM, J, 1/10W	R1233	QRSA08J152YL	M 1.5KOHM, J, 1/10W
R1115	QRSA08J681YL	M 680 OHM, J, 1/10W	R1234	QRSA08J152YL	M 1.5KOHM, J, 1/10W
R1116	QRSA08J122YL	M 1.2KOHM, J, 1/10W	R1235	QRSA08J332YL	M 3.3KOHM, J, 1/10W
R1117	QVPC611501HZ	CONTROL 500 OHMB	R1236	QRSA08J332YL	M 3.3KOHM, J, 1/10W
R1118	QRSA08J102YL	M 1KOHM, J, 1/10W	R1237	QRSA08J472YL	M 4.7KOHM, J, 1/10W M 15KOHM, J, 1/10W
R1119	QRSA08J102YL	M 1KOHM, J, 1/10W	R1238	QRSA08J153YL	M 15KOHM, J, 1/10W M 4.7KOHM, J, 1/10W
R1120	QVPC611202HZ	CONTROL 20KOHMB	R1239 R1240	QRSA08J472YL QRSA08J104YL	M 100KOHM, J, 1/10W
R1121 R1122	QRSA08J471YL QRSA08J102YL	M 470 OHM, J, 1/10W M 1KOHM, J, 1/10W	R1240	QRSA08J153YL	M 15KOHM, J, 1/10W
R1123	QRSA08J681YL	M 680 OHM, J, 1/10W	R1242	QRSA08J272YL	M 2.7KOHM, J, 1/10W
R1124	QRSA08J182YL	M 1.8KOHM, J, 1/10W	R1243	QRSA08J272YL	M 2.7KOHM, J, 1/10W
R1125	QRSA08J681YL	M 680 OHM, J, 1/10W	R1244	QRSA08J122YL	M 1.2KOHM, J, 1/10W
R1126	QRSA08J562YL	M 5.6KOHM, J, 1/10W	R1245	QRSA08J123YL	M 12KOHM, J, 1/10W
R1127	QRSA08J182YL	M 1.8KOHM, J, 1/10W	R1246	QRSA08J182YL	м 1.8KOHM, J, 1/10W
R1128	QRSA08J822YL	M 8.2KOHM, J, 1/10W	R1247	QRSA08J104YL	M 100KOHM, J, 1/10W
R1129	QRSA08J183YL	M 18KOHM, J, 1/10W	R1248	QRSA08J123YL	M 12KOHM, J, 1/10W
R1130	QRSA08J182YL	M 1.8KOHM, J, 1/10W	R1249	QRSA08J822YL	M 8.2KOHM, J, 1/10W
R1131	QRSA08J122YL	M 1.2KOHM, J, 1/10W	R1250	QRSA08J122YL	M 1.2KOHM, J, 1/10W M 1.2KOHM, J, 1/10W
R1132	QRSA08J0R0YL	M 0 OHM, J, 1/10W C 5.6KOHM, J, 1/6W	R1251 R1252	QRSA08J122YL QRSA08J222YL	M 2.2KOHM, J, 1/10W
R1133	QRD162J562 QRSA08J183YL	C 5.6KOHM, J, 1/6W M 18KOHM, J, 1/10W	R1252	QRSA08J683YL	M 68KOHM, J, 1/10W
R1134	QRSA08J183YL	M 22KOHM, J, 1/10W	R1254	QRSA08J123YL	M 12KOHM, J, 1/10W
R1136	QRSA08J561YL	M 560 OHM, J, 1/10W	R1257	QRSA08J123YL	M 12KOHM, J, 1/10W
R1137	QRSA08J561YL	M 560 OHM, J, 1/10W	R1258	QRSA08J123YL	M 12KOHM, J, 1/10W
R1139	QRSA08J562YL	M 5.6KOHM, J, 1/10W	R1259	QRSA08J123YL	M 12KOHM, J, 1/10W
R1140	QRSA08J102YL	M 1KOHM, J, 1/10W	R1260	QRSA08J273YL	M 27KOHM, J, 1/10W
R1141	QRSA08J102YL	M 1KOHM, J, 1/10W	R1301	QRSA08J273YL	M 27KOHM, J, 1/10W
R1142	QRSA08J102YL	M 1KOHM, J, 1/10W	R1302	QRSA08J153YL	M 15KOHM, J, 1/10W
R1143	QRSA08J102YL	M 1KOHM, J, 1/10W	R1303	QRSA08J102YL	M 1KOHM, J, 1/10W
R1144	QRSA08J472YL	M 4.7KOHM, J, 1/10W	R1304	QRSA08J471YL	M 470 OHM, J, 1/10W M 1KOHM, J, 1/10W
R1145	QRSA08J272YL	M 2.7KOHM, J, 1/10W M 27KOHM, J, 1/10W	R1305 R1306	QRSA08J102YL QRSA08J102YL	M 1KOHM, J, 1/10W
R1146	QRSA08J273YL QRSA08J472YL	M 27KOHM, J, 1/10W M 4.7KOHM, J, 1/10W	R1307	QRSA08J105YL	M 1MOHM, J, 1/10W
R1148	QRSA08J332YL	M 3.3KOHM, J, 1/10W	R1308	QRSA08J103YL	M 10KOHM, J, 1/10W
R1149	QRSA08J683YL	M 68KOHM, J, 1/10W	R1309	QRSA08J103YL	M 10KOHM, J, 1/10W
R1150	QRSA08J273YL	M 27KOHM, J, 1/10W	R1310	QRSA08J123YL	M 12KOHM, J, 1/10W
R1151	QRSA08J101YL	M 100 OHM, J, 1/10W	R1311	QRSA08J103YL	M 10KOHM, J, 1/10W
R1201	QRSA08J392YL	M 3.9KOHM, J, 1/10W	R1312	QRSA08J103YL	M 10KOHM, J, 1/10W
R1202	QRSA08J392YL	M 3.9KOHM, J, 1/10W	R1313	QRSA08J102YL	M 1KOHM, J, 1/10W M 1.5KOHM, J, 1/10W
R1203	QRSA08J102YL	M 1KOHM, J, 1/10W	R1314 R1315	QRSA08J152YL QRSA08J273YL	M 1.5KOHM, J, 1/10W M 27KOHM, J, 1/10W
R1204 R1205	QRSA08J102YL QRSA08J122YL	M 1KOHM, J, 1/10W M 1.2KOHM, J, 1/10W	R1316	QRSA08J183YL	M 18KOHM, J, 1/10W
R1205	QRSA08J332YL	M 3.3KOHM, J, 1/10W	R1317	QRSA08J182YL	M 1.8KOHM, J, 1/10W
R1200	QRSA08J391YL	M 390 OHM, J, 1/10W	R1318	QRSA08J332YL	M 3.3KOHM, J, 1/10W
R1208	QRSA08J681YL	M 680 OHM, J, 1/10W	R1319	QRSA08J274YL	M 270KOHM, J, 1/10W
R1209	QRSA08J471YL	M 470 OHM, J, 1/10W	R1320	QRSA08J123YL	M 12KOHM, J, 1/10W
R1210	QVPC611202HZ	CONTROL 20KOHMB	R1321	QRSA08J123YL	M 12KOHM, J, 1/10W
R1211	QRSA08J562YL	M 5.6KOHM, J, 1/10W	R1322	QRSA08J123YL	M 12KOHM, J, 1/10W
R1212	QRSA08J682YL	M 6.8KOHM, J, 1/10W	R1331	QRSA08J273YL	M 27KOHM, J, 1/10W
R1213	QRSA08J273YL	M 27KOHM, J, 1/10W	R1332	QRSA08J153YL	M 15KOHM, J, 1/10W
R1214	QRSA08J273YL	M 27KOHM, J, 1/10W	R1333 R1334	QRSA08J102YL QRSA08J391YL	M 1KOHM, J, 1/10W M 390 OHM, J, 1/10W
R1215	QRSA08J123YL QRSA08J562YL	M 12KOHM, J, 1/10W M 5.6KOHM, J, 1/10W	R1334	QRSA08J102YL	M 1KOHM, J, 1/10W
R1216 R1217	QRSA08J224YL	M 220KOHM, J, 1/10W	R1336	QRSA08J102YL	M 1KOHM, J, 1/10W
R1217	QRSA08J103YL	M 10KOHM, J, 1/10W	R1337	QRSA08J105YL	M 1MOHM, J, 1/10W
R1219	QRSA08J223YL	M 22KOHM, J, 1/10W	R1338	QRSA08J103YL	M 10KOHM, J, 1/10W
R1220	QRSA08J684YL	м 680КОНМ, J, 1/10W	R1339	QRSA08J103YL	M 10KOHM, J, 1/10W
R1221	QRSA08J102YL	M 1KOHM, J, 1/10W	R1340	QRSA08J123YL	M 12KOHM, J, 1/10W
R1222	QRSA08J681YL	M 680 OHM, J, 1/10W	R1341	QRSA08J103YL	M 10KOHM, J, 1/10W
R1223	QRSA08J122YL	M 1.2KOHM, J, 1/10W	R1342	QR\$A08J103YL	M 10KOHM, J, 1/10W
R1224	QRSA08J272YL	M 2.7KOHM, J, 1/10W	R1343	QRSA08J102YL	M 1KOHM, J, 1/10W M 2.7KOHM, J, 1/10W
R1225	QRSA08J122YL	M 1.2KOHM, J, 1/10W M 2.7KOHM, J, 1/10W	R1344 R1345	QRSA08J272YL QRSA08J123YL	M 2.7KOHM, J, 1/10W M 12KOHM, J, 1/10W
R1226 R1227	QRSA08J272YL QRSA08J102YL	M 2.7KOHM, J, 1/10W M 1KOHM, J, 1/10W	R1345	QRSA08J393YL	M 39KOHM, J, 1/10W
R1227	QRSA08J102YL	M 1KOHM, J, 1/10W	R1361	QRSA08J273YL	M 27KOHM, J, 1/10W
R1229	QRSA08J152YL	M 1.5KOHM, J, 1/10W			
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Ref. No	Part No.		Des	scrip	otion		Ref. No.	Part No.		De	scrip	tion
R1362	QRSA08J153YL	М	15KOHM,	J,	1/10W		R1520	QRSA08J102YL	м	1КОНМ,		1/10W
R1363	QRSA08J102YL	М	1КОНМ,	J,	1/10W		R1521	QRSA08J332YL	М	3.3KOHM,	J,	1/10W
R1364	QRSA08J391YL	M	390 OHM,	J,	1/10W		R1522	QRSA08J122YL	М	1.2KOHM,	J,	1/10W
R1365	QRSA08J102YL	M	1KOHM,	J,	1/10W		R1523	QRSA08J473YL	М	47KOHM,	J,	1/10W
R1366	QRSA08J102YL	M	1KOHM,	J,	1/10W	1	R1524	QRSA08J272YL	М	2.7KOHM,	J,	1/10W
R1367 R1368	QRSA08J105YL QRSA08J103YL	M M	1MOHM, 10KOHM,	J, J,	1/10W 1/10W		R1525 R1526	QRSA08J101YL	M M	100 OHM,	J,	1/10W 1/10W
R1369	QRSA08J103YL	M	10KOHM,	J, J,	1/10W		R1526	QRSA08J272YL QRSA08J103YL	M	2.7KOHM, 10KOHM,	J, J,	1/10W
R1370	QRSA08J123YL	м	12KOHM,	J,	1/10W		R1528	QRSA08J102YL	М	1KOHM,	J,	1/10W
R1371	QRSA08J103YL	М	10KOHM,	J,	1/10W		R1529	QRSA08J273YL	М	27KOHM,	J,	1/10W
R1372	QRSA08J103YL	м	10KOHM,	J,	1/10W		R1530	QRSA08J682YL	м	6.8KOHM,	J,	1/10W
R1373	QRSA08J102YL	М	1КОНМ,	J,	1/10W	ŀ	R1531	QRSA08J472YL	М	4.7KOHM,	J,	1/10W
R1374	QRSA08J272YL	М	2.7KOHM,	J,	1/10W		R1533	QRSA08J332YL	М	з.зконм,	J,	1/10W
R1375	QRSA08J153YL	М	15KOHM,	J,	1/10W		R1534	QRSA08J332YL	М	3.3KOHM,	J,	1/10W
R1376	QRSA08J333YL	М	33KOHM,	J,	1/10W		R1535	QRSA08J103YL	M	10KOHM,	J,	1/10W
R1381 R1382	QRSA08J123YL QRSA08J123YL	M	12KOHM,	J,	1/10W 1/10W		R1536 R1537	QRSA08J472YL	M	4.7KOHM, 100 OHM,	J,	1/10W 1/10W
R1383	QRSA08J273YL	M	12KOHM, 27KOHM,	J, J,	1/10W		R1537	QRSA08J101YL QRSA08J272YL	М	2.7KOHM,	J, J,	1/10W
R1401	QRSA08J101YL	М	100 OHM,	J,	1/10W		R1539	QRSA08J272YL	М	2.7KOHM,	J,	1/10W
R1402	QRSA08J101YL	М	100 OHM,	J,	1/10W	İ	R1540	QRSA08J332YL	М	3.3KOHM,	J,	1/10W
R1403	QRSA08J102YL	М	1KOHM,	J,	1/10W		R1541	QRSA08J103YL	М	10KOHM,	J,	1/10W
R1404	QRSA08J102YL	М	1KOHM,	J,	1/10W		R1542	QRSA08J823YL	М	82КОНМ,	J,	1/10W
R1405	QRSA08J102YL	М	1KOHM,	J,	1/10W		R1543	QRSA08J221YL	М	220 OHM,	J,	1/10W
R1406	QRSA08J123YL	М	12KOHM,	J,	1/10W		R1544	QRSA08J221YL	М	220 OHM,	J,	1/10W
R1407	QRSA08J273YL	М	27KOHM,	J,	1/10W		R1545	QRSA08J221YL	М	220 OHM,	J,	1/10W
R1408 R1409	QRSA08J273YL	М	27KOHM,	J,	1/10W 1/10W		R1546	QRSA08J0R0YL	М	0 OHM,	J,	1/10W
R1410	QRSA08J273YL QRSA08J273YL	M M	27KOHM, 27KOHM,	J, J,	1/10W		R1547 R1548	QRSA08J221YL QRSA08J102YL	M	220 OHM, 1KOHM,	J, J.	1/10W 1/10W
R1451	QRSA08J272YL	М	2.7KOHM,	J.	1/10W	i	R1551	QRSA08J104YL	M	100KOHM,	J,	1/10W
R1453	QRSA08J103YL	м	10KOHM,	J,	1/10W		R1552	QRSA08J123YL	м	12KOHM,	J,	1/10W
R1454	QRSA08J222YL	м	2.2KOHM,	J,	1/10W		R1553	QRSA08J472YL	М	4.7KOHM,	J,	1/10W
R1455	QRSA08J823YL	М	82KOHM,	J,	1/10W		R1554	QRSA08J273YL	М	27KOHM,	J,	1/10W
R1456	QRSA08J102YL	М	1КОНМ,	J,	1/10W		R1555	QRSA08J273YL	М	27KOHM,	J,	1/10W
R1457	QRSA08J102YL	М	1KOHM,	J,	1/10W		R1556	QRSA08J184YL	М	180KOHM,	J,	1/10W
R1458	QRSA08J392YL	М	3.9KOHM,	J,	1/10W		R1557	QRD162J104	С	100KOHM,	J,	1/6W
R1459 R1460	QRSA08J0R0YL QRSA08J183YL	M M	0 OHM, 18KOHM,	J, J.	1/10W 1/10W		R1558 R1559	QRSA08J223YL QRSA08J223YL	M	22KOHM, 22KOHM,	J, J.	1/10W 1/10W
R1461	QRSA08J153YL	M	15KOHM,	J, J,	1/10W		R1560	QRSA08J124YL	M	120KOHM,	J, J.	1/10W 1/10W
R1462	QRSA08J122YL	М	1.2KOHM,	J,	1/10W	1	R1561	QRSA08J562YL	М	5.6KOHM,	J,	1/10W
R1463	QRSA08J122YL	М	1.2KOHM,	J,	1/10W		R1562	QRSA08J183YL	М	18KOHM,	Ĵ,	1/10W
R1464	QRSA08J122YL	М	1.2KOHM,	J,	1/10W	- 1	R1563	QRSA08J563YL	м	56KOHM,	J,	1/10W
R1465	QRSA08J101YL	М	100 OHM,	J,	1/10W		R1564	QRSA08J473YL	м	47KOHM,	J,	1/10W
R1466	QRSA08J101YL	М	100 OHM,	J,	1/10W		R1565	QRSA08J124YL	М	120KOHM,	J,	1/10W
R1467	QRSA08J101YL	М	100 OHM,	J,	1/10W		R1566	QRSA08J564YL	М	560KOHM,	J,	1/10W
R1469	QRSA08J393YL QRSA08J273YL	М	39KOHM,	J,	1/10W		R1567	QRSA08J154YL	M	150KOHM,		1/10W
R1470 R1471	QRSA08J273YL	M M	27KOHM, 27KOHM,	J, J,	1/10W 1/10W		R1572 R1573	QRSA08J563YL QRSA08J392YL	М М	56KOHM, 3.9KOHM,	-	1/10W 1/10W
R1471	QRSA08J273YL	М	27KOHM, 27KOHM,	J,	1/10W		R1574	QR\$A08J392YL	М	3.9KOHM,		1/10W
R1473	QRSA08J123YL	М	12KOHM,	J,	1/10W		R1576	QRSA08J472YL	м	4.7KOHM,		1/10W
R1474	QRSA08J273YL	М	27KOHM,		1/10W		R1577	QRSA08J0R0YL	м	0 OHM,		1/10W
R1501	QRSA08J273YL	М	27KOHM,	J,	1/10W		R1578	QRSA08J273YL	м	27KOHM,	J,	1/10W
R1502	QRSA08J153YL	М	15KOHM,		1/10W		R1579	QRSA08J472YL	М	4.7KOHM,		1/10W
R1503	QRSA08J122YL	М	1.2KOHM,	J,	1/10W		R1580	QRSA08J472YL	М	4.7KOHM,		1/10W
R1504	QRSA08J272YL	M	2.7KOHM,	J,	1/10W		R1581	QRSA08J472YL	M	4.7KOHM,		1/10W
R1505 R1506	QRSA08J473YL QRSA08J393YL	M M	47KOHM, 39KOHM,	J, J,	1/10W 1/10W	- [R1582 R1583	QRSA08J273YL QRSA08J560YL	М М	27KOHM, 56 OHM,	J, J,	1/10W 1/10W
R1506	QRSA08J182YL	M	39KOHM, 1.8KOHM,	J, J,	1/10W		R1601	QRSA08J102YL	M	1KOHM,		1/10W
R1508	QRSA08J123YL	М	12KOHM,	J,	1/10W		R1602	QRSA08J221YL	м	220 OHM,	-	1/10W
R1509	QRSA08J271YL	M	270 OHM,	-	1/10W		R1603	QRSA08J123YL	м	12KOHM,		1/10W
R1510	QRSA08J472YL	М	4.7KOHM,	J,	1/10W		R1604	QR\$A08J100YL	м	10 OHM,	J,	1/10W
R1511	QRSA08J820YL	М	82 OHM,	J,	1/10W		R1605	QRSA08J272YL	м	2.7KOHM,	J,	1/10W
R1512	QRSA08J820YL	М	82 OHM,	J,	1/10W		R1606	QRSA08J391YL	М	390 OHM,	J,	1/10W
R1513	QRSA08J121YL	М	120 OHM,	J,	1/10W		R2005	QRD121J152SY	C	1.5KOHM,	J,	1/2W
R1514	QRSA08J332YL	M	3.3KOHM,		1/10W		R2302	QRC121K394Z		390KOHM, 390KOHM,	K,	1/2W
R1515 R1516	QRSA08J333YL QRSA08J472YL	M	33KOHM, 4.7KOHM,	J, J,	1/10W 1/10W		R2303 R2304	QRC121K394Z QRC121K394Z	C	390KOHM,	K, K,	1/2W 1/2W
R1517	QRSA08J222YL	M	2.2KOHM,	J, J,	1/10W		R2305	QRD161J155Y	ľċ	1.5KOHM,	J,	1/6W
R1518	QRSA08J331YL	М	330 OHM,	J,	1/10W		R2306	QRD161J562Y	c	5.6KOHM,	J,	1/6W
R1519	QRSA08J332YL	М	3.3KOHM,		1/10W	ŀ	R2307	QRD161J472Y	c	4.7KOHM,	J,	1/6W
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	Ref. No.	Part No.	Description		Ref. No.	Part No.		De	script	tion
	R2308	QRC121K473Z	C 47KOHM, K, 1/2W		R2526	QRD161J513Y	С	51KOHM,	J,	1/6W
	R2309	QRC121K225Z	C 2.2MOHM, K, 1/2W		R2527	QRD161J473Y	С	47KOHM,	J,	1/6W
	R2310	QRC121K225Z	C 2.2MOHM, K, 1/2W		R2528	QRD121J272SY	C	2.7KOHM,	J,	1/2W
	R2311	QRC121K225Z	C 2.2MOHM, K, 1/2W		R2529	QRD161J102Y	C	1KOHM,	J,	1/6W
	R2312 R2313	QRD161J683Y QVPC611503HZ	C 68KOHM, J, 1/6W CONTROL 50KOHMB		R2530 R2531	QRX029J4R7 QRX029J4R7	M M	4.7 OHM, 4.7 OHM,	J, J,	2W 2W
	R2314	QRD161J103Y	C 10KOHM, J, 1/6W		R2532	QRG029J471	M	4.7 OHM,	J,	2W
	R2316	QRD161J153Y	C 15KOHM, J, 1/6W		R2542	QRD161J823Y	l c	82KOHM,	J,	1/6W
	R2317	QRD161J473Y	C 47KOHM, J, 1/6W		R2548	QRG029J102	м	1KOHM,	J,	2W
ı	R2318	QRD161J102Y	C 1KOHM, J, 1/6W		R2549	QRG029J102	М	1KOHM,	J,	2W
	R2319	QRD161J103Y	C 10KOHM, J, 1/6W		R2550	QRG029J222	М	2.2KOHM,	J,	2W
	R2320	QRD161J472Y	C 4.7KOHM, J, 1/6W		R2551	QRD161J121Y	C	120 OHM,	J,	1/6W
	R2321	QRD161J103Y	C 10KOHM, J, 1/6W		R2552	QRD161J101Y	C	100 OHM,	J,	1/6W 1/6W
	R2401 R2402	QRD161J182Y QRD161J822Y	C 1.8KOHM, J, 1/6W C 8.2KOHM, J, 1/6W		R2553 R2554	QRD161J101Y QRD161J103Y	C	100 OHM, 10KOHM,	J, J,	1/6W
1	R2403	QRD161J104Y	C 100KOHM, J, 1/6W		R2555	QRD161J473Y	C	47KOHM,	J,	1/6W
	R2404	QRD161J222Y	C 2.2KOHM, J, 1/6W		R2558	QRD161J473Y	c	47KOHM,	J,	1/6W
	R2405	QRV141F2611A	M 2.61KOHM, F, 1/4W		R2559	QRD161J103Y	С	10KOHM,	J,	1/6W
	R2406	QRD161J101Y	C 100 OHM, J, 1/6W	ŀ	R2562	QRD161J182Y	С	1.8KOHM,	J,	1/6W
	R2407	QRD161J471Y	C 470 OHM, J, 1/6W		R2563	QRD161J471Y	С	470 OHM,	J,	1/6W
	R2408	QRV141F8871A	M 8.87KOHM, F, 1/4W		R2564	QRD161J333Y	0	33KOHM,	J,	1/6W
	R2409 R2410	QRD161J104Y QRD161J102Y	C 100KOHM, J, 1/6W C 1KOHM, J, 1/6W		R2565 R2568	QRD161J101Y QRD161J223Y	C	100 OHM, 22KOHM,	J, J,	1/6W 1/6W
	R2410 R2411	QRD161J1021	C 1.8KOHM, J, 1/6W	۳ ا	R2569	QRD161J223Y	C	82KOHM,	J, J,	1/6W
	R2412	QRD161J104Y	C 100KOHM, J, 1/6W		R2570	QRD121J102SY	С	1KOHM,	J,	1/2W
	R2413	QRD161J822Y	C 8.2KOHM, J, 1/6W		R2571	QRD121J102SY	С	1KOHM,	J,	1/2W
1	R2414	QRD161J682Y	C 6.8KOHM, J, 1.6W		R2573	QRD161J184Y	С	180KOHM,	J,	1/6W
	R2415	QRD161J820Y	C 82 OHM, J, 1/6W		R2574	QRD161J184Y	С	180KOHM,	J,	1/6W
	R2416	QVPC611102HZ	CONTROL 1KOHMB		R2575	QRD161J184Y	C	180KOHM,	J,	1/6W
	R2417	QRD161J103Y	C 10KOHM, J, 1/6W C 2.2KOHM, J, 1/6W		R2576 R2577	QRD161J822Y QRD161J222Y	C	8.2KOHM, 2.2KOHM,	J, J,	1/6W 1/6W
1	R2418 R2419	QRD161J222Y QRX029J1R0	C 2.2KOHM, J, 1/6W M 1 OHM, J, 2W		R2577	QRD161J222Y QRD161J103Y	C	2.2KOHM, 10KOHM,	J, J,	1/6W
	R2419	QRG029J270	M 27 OHM, J, 2W		R2579	QRD161J1031	c	470 OHM,	J,	1/6W
	R2422	QRG019J221S	M 220 OHM, J, 1W		R2580	QRD161J332Y	c	3.3KOHM,	J,	1/6W
	R2423	QRD161J273Y	C 27KOHM, J, 1/6W		R2581	QRD161J123Y	С	12KOHM,	J,	1/6W
Δ	R2424	QRD161J223Y	C 22KOHM, J, 1/6W		R2582	QVPC611303HZ	ı		0КОН	
	R2425	QRD161J101Y	C 100 OHM, J, 1/6W		R2583	QRD161J103Y	C	10KOHM,	J,	1/6W
	R2427	QRD161J562Y	C 5.6KOHM, J, 1/6W		R2584	QRD161J473Y	C	47KOHM,	J,	1/6W
	R2428 R2429	QRD161J153Y QRD161J183Y	C 15KOHM, J, 1/6W C 18KOHM, J, 1/6W		R2585 R2586	QRD161J103Y QRD161J104Y	C	10KOHM, 100KOHM,	J, J,	1/6W 1/6W
	R2429 R2430	QRD161J393Y	C 39KOHM, J, 1/6W		R2587	QRD161J1041	C	2.2KOHM,	J, J,	1/6W
	R2431	QRD161J683Y	C 68KOHM, J, 1/6W		R2588	QRD161J103Y	C	10KOHM,	J,	1/6W
	R2433	QRD161J101Y	C 100 OHM, J, 1/6W		R2589	QRD161J103Y	С	10KOHM,	J,	1/6W
	R2434	QRD161J103Y	C 10KOHM, J, 1/6W		R2591	QRD161J473Y	С	47KOHM,	J,	1/6W
	R2435	QRD161J153Y	C 15KOHM, J, 1/6W	Ī	R2601	QRD121J103SY	C	10KOHM,	J,	1/2W
	R2436	QRD161J103Y	C 10KOHM, J, 1/6W	İ	R2602	QRD161J102Y	C	1KOHM,	J,	1/6W
	R2437 R2438	QRD161J103Y QRD161J103Y	C 10KOHM, J, 1/6W C 10KOHM, J, 1/6W		R2603 R2604	QRD161J682Y QRD161J183Y	C	6.8KOHM, 18KOHM,	J, J,	1.6W 1/6W
	R2438 R2439	QRD161J1031	C 2.2KOHM, J, 1/6W		R2604	QRD161J1631	C	6.8KOHM,	J, J,	1.6W
	R2501	QRD161J683Y	C 68KOHM, J, 1/6W		R2607	QRD161J103Y	c	10KOHM,	J,	1/6W
	R2502	QRD121J103SY	C 10KOHM, J, 1/2W	ŀ	R2608	QRD161J473Y	С	47KOHM,	J,	1/6W
	R2503	QVPC611502HZ	CONTROL 5KOHMB		R2609	QRD161J225Y	С	2.2MOHM,	J,	1/6W
	R2505	QRD161J225Y	C 2.2MOHM, J, 1/6W		R2610	QRD161J102Y	C	1KOHM,	J,	1/6W
	R2506	QRD161J101Y	C 100 OHM, J, 1/6W		R2611	QRD121J563SY	C	56KOHM,	J,	1/2W
	R2509	QRD161J225Y QRD161J102Y	C 2.2MOHM, J, 1/6W		R2612 R2613	QVPC611502HZ QRD161J103Y	CO	NTROL 5 10KOHM,	KOHN J,	1B 1/6W
	R2510 R2511	QRD161J102Y QRD121J272SY	C 1KOHM, J, 1/6W C 2.7KOHM, J, 1/2W		R2613	QRD161J103Y QRD161J332Y	C	3.3KOHM,	J, J,	1/6W
	R2511	QRF074K4R7	F 4.7 OHM, K, 7W		R2616	QRD161J183Y	c	18KOHM,	J,	1/6W
	R2513	QRF074K4R7	F 4.7 OHM, K, 7W		R2701	QRD161J104Y	c	100KOHM,	J,	1/6W
	R2514	QRD121J472SY	C 4.7KOHM, J, 1/2W	Δ	R2705	QRD161J223Y	С	22KOHM,	J,	1/6W
1	R2515	QRG029J272	M 2.7KOHM, J, 2W		R2706	QRD161J101Y	С	100 OHM,	J,	1/6W
1	R2516	QRD121J392SY	C 3.9KOHM, J, 1/2W		R2707	QRD161J333Y	C	ззконм,	J,	1/6W
1	R2517	QRD161J471Y	C 470 OHM, J, 1/6W	ľ	R2708	QRD161J103Y	0	10KOHM,	J,	1/6W
1	R2518	QRD161J331Y	C 330 OHM, J, 1/6W		R2709	QRD161J104Y	C	100KOHM, 39KOHM,	J, J,	1/6W 1/6W
1	R2519 R2520	QRD121J562SY QRG029J102	C 5.6KOHM, J, 1/2W M 1KOHM, J, 2W		R2710 R2712	QRD161J393Y QRD161J102Y	c	1KOHM,	J, J,	1/6W
1	R2520	QRD161J151Y	C 150 OHM, J, 1/6W		R2712	QRD161J222Y	c	2.2KOHM,	J,	1/6W
1	R2522	QRD121J104SY	C 100KOHM, J, 1/2W	Δ	R2714	QRV141F1962A	ı	19.6KOHM,	F,	1/4W
	R2524	QRX029J1R8	M 1.8 OHM, J, 2W	Δ	R2715	QRV141F6801A	м	6.8KOHM,	F,	1/4W

	Ref. No.	Part No.	Description	R	Ref. No.	Part No.		Description
	R2801	QRG029J100	M 10 OHM, J, 2W	R	35128	QRSA08J472YL	М	4.7KOHM, J, 1/10W
1	R3301	QRD161J151Y	C 150 OHM, J, 1/6W	P	R5129	QRSA08J103YL	М	10KOHM, J, 1/10W
	R3302	QRD161J151Y	C 150 OHM, J, 1/6W	R	R5130	QRSA08J103YL	М	10KOHM, J, 1/10W
	R3303	QRD161J151Y	C 150 OHM, J, 1/6W		35131	QRSA08J103YL	М	10KOHM, J, 1/10W
	R3304	QRD161J181Y	C 180 OHM, J, 1/6W	1 1	35132	QRSA08J103YL	М	10KOHM, J, 1/10W
	R3305	QRD161J181Y	C 180 OHM, J, 1/6W		R5134	QRSA08J103YL	M	10KOHM, J, 1/10W
	R3306 R3310	QRD161J181Y QRG029J103	C 180 OHM, J, 1/6W M 10KOHM, J, 2W		R5135 R5136	QRSA08J103YL QRSA08J102YL	M M	10KOHM, J, 1/10W 1KOHM, J, 1/10W
	R3311	QRG029J103	M 10KOHM, J, 2W		R5137	QRSA08J103YL	М	10KOHM, J, 1/10W
	R3312	QRG029J103	M 10KOHM, J, 2W		35138	QRSA08J103YL	м	10KOHM, J, 1/10W
	R3313	QRG029J103	M 10KOHM, J, 2W	1 1	R5139	QRSA08J221YL	М	220 OHM, J, 1/10W
	R3314	QRG029J103	M 10KOHM, J, 2W	R	35140	QRSA08J221YL	М	220 OHM, J, 1/10W
	R3315	QRG029J103	M 10KOHM, J, 2W	R	35143	QRSA08J103YL	М	10KOHM, J, 1/10W
Δ	R3322	QRD149J102S	C 1KOHM, J, 1/4W	l 1	R5144	QRSA08J273YL	М	27KOHM, J, 1/10W
	R3323	QRD149J102S	C 1KOHM, J, 1/4W		35145	QRSA08J273YL	М	27KOHM, J, 1/10W
	R3324	QRD149J102S	C 1KOHM, J, 1/4W		35146	QRSA08J273YL	М	27KOHM, J, 1/10W
	R3325	QRC121K681Z	C 680 OHM, K, 1/2W	I I	35148	QRSA08J273YL	M M	27KOHM, J, 1/10W 10KOHM, J, 1/10W
	R3326 R3327	QRC121K681Z QRC121K681Z	C 680 OHM, K, 1/2W C 680 OHM, K, 1/2W		R5149 R5150	QRSA08J103YL QRSA08J222YL	M	10KOHM, J, 1/10W 2.2KOHM, J, 1/10W
1	R3331	QRD161J102Y	C 1KOHM, J, 1/6W	i I	15150 15151	QRSA08J103YL	M	10KOHM, J, 1/10W
	R3341	QRD161J1021	C 3.3KOHM, J, 1/6W		85153	QRSA08J103YL	M	10KOHM, J, 1/10W
	R3342	QRD161J332Y	C 3.3KOHM, J, 1/6W		R5154	QRSA08J183YL	M	18KOHM, J, 1/10W
	R3343	QRD161J332Y	C 3.3KOHM, J, 1/6W	l I	15155	QRSA08J562YL	М	5.6KOHM, J, 1/10W
	R3501	QRC121K105Z	C 1MOHM, K, 1/2W	I I	15156	QRSA08J153YL	М	15KOHM, J, 1/10W
	R3502	QRC121K102Z	C 1KOHM, K, 1/2W	R	R5157	QRSA08J103YL	М	10KOHM, J, 1/10W
	R3503	QRC121K474Z	C 470KOHM, K, 1/2W	R	15158	QRSA08J220YL	М	22 OHM, J, 1/10W
	R3506	QRD122J274S	C 270KOHM, J, 1/2W	R	R5159	QRSA08J220YL	М	22 OHM, J, 1/10W
	R3507	QRG029J822	M 8.2KOHM, J, 2W	l I	R5160	QRSA08J103YL	М	10KOHM, J, 1/10W
	R3508	QRD161J183Y	C 18KOHM, J, 1/6W	I I	35161	QRSA08J103YL	М	10KOHM, J, 1/10W
	R3509	QRD161J472Y	C 4.7KOHM, J, 1/6W	I I	35201	QRSA08J272YL	М	2.7KOHM, J, 1/10W
	R3520	QRC121K225Z	C 2.2MOHM, K, 1/2W	1 1	R5202 R5203	QRSA08J391YL	M M	390 OHM, J, 1/10W 1.8KOHM, J, 1/10W
	R4001 R4002	QVGA003CB14A QVGA003CB14A	CONTROL 10KOHMB CONTROL 10KOHMB	l {	R5203	QRSA08J182YL QRSA08J272YL	M	2.7KOHM, J, 1/10W
1	R4002	QVGA003CB14A	CONTROL 10KOHMB	1 1	35205	QRSA08J271YL	M	270 OHM, J, 1/10W
1	R4004	QVGA003CB14A	CONTROL 10KOHMB		35206	QRSA08J182YL	М	1.8KOHM, J, 1/10W
İ	R4005	QVGA004CB14A	CONTROL 10KOHMB	1 1	15207	QRSA08J272YL	М	2.7KOHM, J, 1/10W
	R4101	QRD161J181Y	C 180 OHM, J, 1/6W	R	R5208	QRSA08J471YL	М	470 OHM, J, 1/10W
	R4102	QRD161J333Y	C 33KOHM, J, 1/6W	R	35209	QRSA08J182YL	М	1.8KOHM, J, 1/10W
İ	R4103	QRD161J333Y	C 33KOHM, J, 1/6W		35210	QRSA08J273YL	М	27KOHM, J, 1/10W
	R4104	QRD161J333Y	C 33KOHM, J, 1/6W	I I	35211	QRSA08J0R0YL	М	0 OHM, J, 1/10W
	R4105	QRD161J333Y	C 33KOHM, J, 1/6W		35212	QRSA08J273YL	М	27KOHM, J, 1/10W
	R4106	QRD161J333Y	C 33KOHM, J, 1/6W M 100 OHM, J, 1/10W		R5213 R5214	QRSA08J121YL QRSA08J273YL	M M	120 OHM, J, 1/10W 27KOHM, J, 1/10W
	R5101 R5102	QRSA08J101YL QRSA08J101YL	M 100 OHM, J, 1/10W M 100 OHM, J, 1/10W	I I	35215	QRSA08J391YL	M	390 OHM, J, 1/10W
	R5103	QRSA08J101YL	M 100 OHM, J, 1/10W		35216	QRSA08J273YL	М	27KOHM, J, 1/10W
	R5104	QRSA08J101YL	M 100 OHM, J, 1/10W		35217	QRSA08J0R0YL	М	0 OHM, J, 1/10W
	R5105	QRSA08J101YL	M 100 OHM, J, 1/10W	I I	35301	QRSA08J683YL	М	68KOHM, J, 1/10W
	R5106	QRSA08J101YL	M 100 OHM, J, 1/10W		15302	QRSA08J184YL	М	180KOHM, J, 1/10W
	R5107	QRSA08J101YL	M 100 OHM, J, 1/10W		35303	QRSA08J562YL	М	5.6KOHM, J, 1/10W
	R5108	QRSA08J101YL	M 100 OHM, J, 1/10W	I I	35304	QRSA08J104YL	М	100KOHM, J, 1/10W
	R5109	QRSA08J101YL	M 100 OHM, J, 1/10W	I I	35305	QRSA08J684YL	М	680KOHM, J, 1/10W
	R5110	QRSA08J103YL	M 10KOHM, J, 1/10W	I I	R5306	QRSA08J223YL	M	22KOHM, J, 1/10W
	R5111	QRSA08J103YL	M 10KOHM, J, 1/10W	I I	R5307	QRSA08J103YL	M M	10КОНМ, J, 1/10W 10КОНМ, J, 1/10W
	R5112 R5113	QRSA08J103YL QRSA08J103YL	M 10KOHM, J, 1/10W M 10KOHM, J, 1/10W	I I	R5308 R5309	QRSA08J103YL QRSA08J223YL	M	22KOHM, J, 1/10W
	R5113	QRSA08J103YL	М 10КОНМ, J, 1/10W М 10КОНМ, J, 1/10W	I I	15309 15310	QRSA08J183YL	M	18KOHM, J, 1/10W
	R5115	QRSA08J101YL	M 100 OHM, J, 1/10W		15310	QRSA08J103YL	М	10KOHM, J, 1/10W
	R5116	QRSA08J101YL	M 100 OHM, J, 1/10W	1	35312	QRSA08J472YL	М	4.7KOHM, J, 1/10W
	R5117	QRSA08J101YL	M 100 OHM, J, 1/10W	I I	R5401	QRSA08J222YL	М	2.2KOHM, J, 1/10W
	R5118	QRSA08J101YL	M 100 OHM, J, 1/10W	I I	R5402	QRSA08J272YL	М	2.7KOHM, J, 1/10W
	R5119	QRSA08J101YL	M 100 OHM, J, 1/10W		R5403	QRSA08J222YL	М	2.2KOHM, J, 1/10W
	R5120	QRSA08J122YL	M 1.2KOHM, J, 1/10W	1	35404	QRSA08J472YL	М	4.7KOHM, J, 1/10W
1	R5121	QRSA08J103YL	M 10KOHM, J, 1/10W	l i	35405	QRSA08J472YL	М	4.7KOHM, J, 1/10W
	R5122	QRSA08J272YL	M 2.7KOHM, J, 1/10W		R5406	QRSA08J223YL	M	22KOHM, J, 1/10W
	R5123	QRSA08J103YL	M		R5407 R5408	QRSA08J273YL QRSA08J102YL	M M	27KOHM, J, 1/10W 1KOHM, J, 1/10W
	R5124 R5125	QRSA08J103YL QRSA08J103YL	M		15408 15409	QRSA08J563YL	M	56KOHM, J, 1/10W
	R5126	QRSA08J103YL	M 10KOHM, J, 1/10W		R5410	QRSA08J103YL	М	10KOHM, J, 1/10W
	R5127	QRSA08J103YL	M 10KOHM, J, 1/10W		35501	QRSA08J101YL	М	100 OHM, J, 1/10W
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	Ref. No.	Part No.		Description				Ref. No.	Part No.		De	scrip	tion
	R5502	QRSA08J101YL	м	100 OHM,	J,	1/10W		R6317	QRD161J472Y	С	4.7KOHM,	J,	1/6W
	R5503	QRSA08J101YL	М	100 OHM,	J,	1/10 W	Δ	R6318	QRD161J223Y	C	22KOHM,	J,	1/6W
ł	R5504	QRSA08J101YL	М	100 OHM,		1/10W		R6601	QRD143J153SX	С	15KOHM,	J,	1/4W
ĺ	R5701	QRSA08J221YL	M	220 OHM,	J,			R6602	QRD161J563Y	С	56KOHM,	J,	1/6W
	R5702	QRSA08J221YL	M	220 OHM,	J,			R6603	QRD161J683Y	C	68KOHM,	J,	1/6W
	R5703 R5704	QRSA08J221YL QRSA08J221YL	M	220 OHM, 220 OHM,	J, J,	1/10W 1/10W	i	R6604 R6611	QRD161J102Y QRD143J153SX	C	1KOHM, 15KOHM,	J,	1/6W 1/4W
	R5705	QRSA08J221YL	M	220 OHM,	J,	1/10W		R6612	QRD161J563Y	C	56KOHM,	J, J,	1/4 VV 1/6W
	R5706	QRSA08J221YL	M	220 OHM,	J,	1/10W		R6613	QRD161J683Y	c	68KOHM,	J,	1/6W
	R5707	QRSA08J221YL	М	220 OHM,	J,		1	R6614	QRD161J102Y	C	1KOHM,	J,	1/6W
İ	R5708	QRSA08J221YL	М	220 OHM,	J,	1/10W		R6621	QRD143J153SX	С	15KOHM,	J,	1/4W
	R5709	QRSA08J221YL	М	220 OHM,	J,	1/10W		R6622	QRD161J563Y	C	56KOHM,	J,	1/6W
	R5710	QR\$A08J221YL	М	220 OHM,	J,	1/10W		R6623	QRD161J683Y	С	68KOH M ,	J,	1/6W
	R5711	QRSA08J221YL	M	220 OHM,	J,	1/10W		R6624	QRD161J102Y	С	1KOHM,	J,	1/6W
i	R5712	QRSA08J221YL	М	220 OHM,	J,			R6631	QRD161J102Y	C	1KOHM,	J,	1/6W
1	R5713	QRSA08J221YL	M	220 OHM,		1/10W		R6632	QRD161J472Y	C	4.7KOHM,	J,	1/6W
1	R5714 R5715	QRSA08J221YL QRSA08J102YL	M	220 OHM, 1KOHM,		1/10W 1/10W		R6641 R6642	QRD161J123Y QRD161J223Y	C	12KOHM, 22KOHM,	J, J,	1/6W 1/6W
1	R5716	QRSA08J221YL	M	220 OHM,		1/10W	43	R6644	QRD161J103Y	C	10KOHM.	J,	1/6W
	R5717	QRSA08J221YL	M	220 OHM,	J,	1/10W	1	R6645	QRD161J123Y	C	12KOHM,		1/6W
1	R5718	QRSA08J221YL	М	220 OHM,	J,	1/10W	$ _{\Delta}$	R6646	QRD161J223Y	c	22KOHM,	J,	1/6W
	R5719	QRSA08J221YL	М	220 OHM,	J,	1/10W	1	R6648	QRD161J103Y	С	10KOHM,	J,	1/6W
	R5720	QRSA08J221YL	М	220 OHM,	J,	1/10W		R6701	QRV141F75R0A	М	75 OHM,	F,	1/4W
ļ	R5721	QRSA08J221YL	M	220 OHM,	,	1/10W	١.	R6702	QRD161J331Y	С	330 OHM,	J,	1/6W
	R5722	QRSA08J221YL	М	220 OHM,	J,	1/10W		R6703	QRD161J223Y	C	22KOHM,	J,	1/6W
	R5723 R5724	QRSA08J221YL	M M	220 OHM,	J,	1/10W	1	R6704	QRD161J123Y	C	12KOHM,	J,	1/6W
	R5725	QRSA08J221YL QRSA08J221YL	М	220 OHM, 220 OHM,	J, J,	1/10W 1/10W	1	R6705 R6706	QRD161J272Y QRD161J221Y	C	2.7KOHM, 220 OHM,	J, J,	1/6W 1/6W
	R5726	QRSA08J102YL	М	1KOHM,	J,	1/10W		R6707	QRD161J273Y	c	27KOHM,	J,	1/6W
1	R5727	QRSA08J221YL	М	220 OHM,	J,	1/10W		R6708	QRD161J222Y	С	2.2KOHM,	J,	1/6W
	R5728	QRSA08J221YL	М	220 OHM,	J,	1/10W		R6709	QRD161J121Y	С	120 OHM,	J,	1/6W
	R5729	QRSA08J221YL	М	220 OHM,	J,	1/10W		R6710	QRD161J183Y	C	18КОНМ,	J,	1/6W
	R5730	QRSA08J103YL	М	10KOHM,	J,	1/10W		R6711	QRD161J333Y	C	ззконм,	J,	1/6W
	R5731	QRSA08J221YL	М	220 OHM,	J,	1/10W	1	R6712	QRD161J153Y	C	15KOHM,	J,	1/6W
	R5732	QRSA08J472YL	М	4.7KOHM,	J,	1/10W		R6713	QRD161J272Y	C	2.7KOHM,	J,	1/6W
	R5733 R6201	QRSA08J472YL QRV141F75R0A	M	4.7KOHM, 75 OHM,	J, F,	1/10W 1/4W		R6714	QRD161J680Y	C	68 OHM,	J,	1/6W
ì	R6202	QRD161J121Y	C	120 OHM,	г, J,	1/4 W 1/6W		R6721 R6722	QRD161J473Y QRD161J123Y	C	47KOHM, 12KOHM,	J, J,	1/6W 1/6W
	R6203	QRD161J154Y	c	150KOHM,	J,	1/6W		R6731	QRV141F75R0A	м	75 OHM,	F,	1/4W
	R6204	QRD161J104Y	C	100KOHM,	J,	1/6W		R6732	QRD161J331Y	С	330 OHM,	J,	1/6W
	R6205	QRD161J332Y	C	3.3KOHM,	J,	1/6W	Δ	R6733	QRD161J223Y	С	22KOHM,	J,	1/6W
	R6211	QRV141F75R0A	М	75 OHM,	F,	1/4W		R6734	QRD161J123Y	С	12KOHM,	J,	1/6W
Į	R6212	QRD161J121Y	С	120 OHM,	J,	1/6W		R6735	QRD161J272Y	С	2.7KOHM,	J,	1/6W
ĺ	R6213	QRD161J154Y	C	150KOHM,	J,	1/6W		R6736	QRD161J221Y	С	220 OHM,	J,	1/6W
	R6214	QRD161J104Y	Ç	100KOHM,	J,	1/6W		R6737	QRD161J273Y	C	27KOHM,	J,	1/6W
	R6215 R6220	QRD161J332Y QRD161J472Y	C	3.3KOHM, 4.7KOHM,	J, J,	1/6W 1/6W		R6738 R6739	QRD161J222Y QRD161J121Y	C	2.2KOHM, 120 OHM,	J, J,	1/6W 1/6W
	R6221	QRD16134721 QRD161J820Y	C	4.7 KOHM, 82 OHM,	J, J,	1/6W		R6740	QRD161J121Y QRD161J183Y	c	120 ОНМ, 18КОНМ,	J, J,	1/6W
	R6222	QRD161J153Y	c	15KOHM,	J,	1/6W		R6741	QRD161J102Y	c	1KOHM,	J, J,	1/6W
	R6231	QRV141F75R0A	М	75 OHM,	F,	1/4W		R6742	QRD161J561Y	c	560 OHM,	J,	1/6W
	R6232	QRD161J221Y	С	220 OHM,	J,	1/6W		R6744	QRD161J681Y	С	680 OHM,	J,	1/6W
	R6233	QRD161J683Y	C	68KOHM,	J,	1/6W		R6745	QRD161J152Y	С	1.5KOHM,	J,	1/6W
	R6234	QRD161J184Y	С	180KOHM,	J,	1/6W		R6746	QRD161J222Y	С	2.2KOHM,	J,	1/6W
	R6235	QRD161J562Y	C	5.6KOHM,	J,	1/6W		R6747	QRD161J821Y	C	820 OHM,	J,	1/6W
	R6236	QRD161J392Y	C	3.9KOHM,	J,	1/6W		R6748	QRD161J152Y	0	1.5KOHM,	J,	1/6W
	R6239 R6240	QRD161J332Y QRD161J680Y	C	3.3KOHM, 68 OHM,	J, J,	1/6W 1/6W		R6749 R6750	QRD161J182Y QRD161J222Y	CO	1.8KOHM, 2.2KOHM,	J, J,	1/6W 1/6W
	R6251	QRD161J123Y	C	12KOHM,	J, J,	1/6W		R6751	QRD161J2221 QRD161J472Y	0	4.7KOHM,	J, J,	1/6W
	R6252	QRD161J123Y	C	12KOHM,	J,	1/6W		R6752	QRD161J153Y	C	15KOHM,	J,	1/6W
Δ	R6253	QRD161J223Y	c	22KOHM,	J,	1/6W		R6753	QRD161J683Y	C	68KOHM,	J,	1/6W
Δ	R6254	QRD161J223Y	С	22KOHM,	J,	1/6W		R6761	QRV141F75R0A	М	75 OHM,	F,	1/4W
	R6255	QRD161J333Y	С	ззконм,	J,	1/6W		R6762	QRD161J331Y	С	330 OHM,	J,	1/6W
	R6301	QRV141F75R0A	M	75 OHM,	F,	1/4W		R6763	QRD161J223Y	С	22KOHM,	J,	1/6W
	R6302	QRD161J121Y	C	120 OHM,	J,	1/6W		R6764	QRD161J123Y	0	12KOHM,	J,	1/6W
	R6303 R6304	QRD161J393Y	C	39KOHM,	J,	1/6W		R6765	QRD161J272Y	0 0	2.7KOHM,	J,	1/6W
	R6304	QRD161J124Y QRD161J562Y	C	120KOHM, 5.6KOHM,	J, J,	1/6W 1/6W		R6766 R6767	QRD161J221Y QRD161J273Y	00	220 OHM, 27KOHM,	J, J,	1/6W 1/6W
	R6306	QRD161J101Y	c	100 OHM,	J,	1/6W		R6768	QRD161J222Y	C	27KOHM, 2.2KOHM,	J, J,	1/6W
	R6316	QRD161J122Y	C	1.2KOHM,	J,	1/6W		R6769	QRD161J121Y	C	120 OHM,	J,	1/6W
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R8770 QRD161J821Y C	D161J821Y C 820 OHM
R8772 GR0161J881Y C 680 OHM, J. 1/8W R8061 GR0303123 M 12KOHM, J. 3W R8076 GR0161J82Y C 1.5KOHM, J. 1/8W R8062 GR0303123 M 12KOHM, J. 3W R8077 GR0161J82Y C 620 OHM, J. 1/8W R8063 GR0303123 M 12KOHM, J. 3W R8077 GR0161J82Y C 620 OHM, J. 1/8W R8063 GR0303123 M 12KOHM, J. 3W R8077 GR0161J812Y C 620 OHM, J. 1/8W R8063 GR0303123 M 12KOHM, J. 3W R8077 GR0161J812Y C 620 OHM, J. 1/8W R8063 GR0303123 M 12KOHM, J. 3W R8077 GR0161J812Y C 12KOHM, J. 1/8W R8078 GR0161J812Y C 12KOHM, J. 1/8W R8078 GR0161J812Y C 220 OHM, J. 1/8W GR0161J812Y GR0161J812Y C 220 OHM, J. 1/8W GR0161J812Y GR0161J	D161J581Y C 580 OHM
R6776 GR0161J352Y C 25KOHM, J 176W R6962 GR0393123 M 12KOHM, J 3W R6776 GR0161J362Y C 2.2KOHM, J 176W R6962 GR0393123 M 12KOHM, J 3W R6776 GR0161J362Y C 2.5KOHM, J 176W R6964 GR0393123 M 12KOHM, J 3W R6779 GR0161J362Y C 1.5KOHM, J 176W R6964 GR0393123 M 12KOHM, J 3W R6779 GR0161J362Y C 2.2KOHM, J 176W R6964 GR0393123 M 12KOHM, J 3W R6769 GR0161J362Y C 2.2KOHM, J 176W R6964 GR0393123 M 12KOHM, J 3W R6769 GR0161J123Y C 2.2KOHM, J 176W GR0303123 M 12KOHM, J 3W R6769 GR0161J123Y C 2.2KOHM, J 176W GR0303123 M 12KOHM, J 3W R6769 GR0161J123Y C 2.2KOHM, J 176W GR0303123 M 12KOHM, J 176W GR0303 GR0303123 M 12KOHM, J 176W GR0303 GR0303123 M 12KOHM, J 176W GR0303 GR0303123 M 12KOHM, J 176W GR0303 GR0303123 M 12KOHM, J 176W GR0303 GR0303123 M 12KOHM, J 176W GR0303 GR0303123 M 12KOHM, J 176W GR0303 GR0303123 M 12KOHM, J 176W GR0303 GR0303123 M 12KOHM, J 176W GR0303 GR0303123 M 12KOHM, J 176W GR0303 GR0303123 M 12KOHM, J 176W GR0303 GR0303123 M 12KOHM, J 176W GR0303 GR0303123 M 12KOHM, J 176W GR0303 GR0303123 M 12KOHM, J 176W GR0303 GR0303123 M 12KOHM, J 176W GR0303 GR0303123 M 12KOHM, J 176W GR0303 GR0303123 M 12KOHM, J 176W GR0303 GR0303123 M 12KOHM, J 176W GR0303 GR0303123 M 12KOHM, J 176W GR0303	D161JB32Y C 1.5KOHM, J, 1/6W R9062 R90639J123 M 12KOHM, J, 3W D161JB2Y C 2.2KOHM, J, 1/6W R9062 R90639J123 M 12KOHM, J, 3W D161JB2Y C 820 OHM, J, 1/6W R9064 QRG039J123 M 12KOHM, J, 3W D161JB2Y C 1.5KOHM, J, 1/6W R9064 QRG039J123 M 12KOHM, J, 3W D161JB2Y C 1.5KOHM, J, 1/6W R9065 QRG039J123 M 12KOHM, J, 3W D161JB2Y C 1.5KOHM, J, 1/6W R9065 QRG039J123 M 12KOHM, J, 3W D161JB2Y C 1.5KOHM, J, 1/6W D161JJ2Y C 12KOHM, J, 1/6W D161JJ2Y C 12KOHM, J, 1/6W D161JJ2Y C 220 OHM, J, 1/6W CM002 QRG039J223 M 22KOHM, J, 1/6W CM0161JJ2Y C 220 OHM, J, 1/6W CM0161JJ2Y C 220 OHM, J, 1/6W CM002 QRG039J223 M 22KOHM, J, 1/6W CM0161JJ2Y C 220 OHM, J, 1/6W CM002 QRG039J223 M 22KOHM, J, 1/6W CM0161JJ2Y C 220 OHM, J, 1/6W CM0161JJ2Y C 220 OHM, J, 1/6W CM0161JJ2Y C 220 OHM, J, 1/6W CM0161JJ2Y C 230 OHM, J, 1/6W CM0161JJ2Y C 230 OHM, J, 1/6W CM0161JJ2Y C 3KOHM, J, 1/6W CM0161JJ2Y C 12KOHM, J, 1/6W CM0161JJ2Y C 12KOHM, J, 1/6W CM102 QRT1HM32AY C 12KOHM, J, 1/6W CM102 QRT1HM32AY C 12KOHM, J, 1/6W CM102 QRT1HM32AY C 12KOHM, J, 1/6W CM105 QRY1HJ33MY C 12KOHM, J, 1/6W CM105 QRY1HJ33MY C 12KOHM, J, 1/6W CM105 QRY1HJ33MY C 12KOHM, J, 1/6W CM105 QRY1HJ33MY C 12KOHM, J, 1/6W CM105 QRY1HJ33MY C 12KOHM, J, 1/6W CM105 QRY1HJ33MY C 12KOHM, J, 1/6W CM105 QRY1HJ33MY C 12KOHM, J, 1/6W CM105 QRY1HJ33MY C 12KOHM, J, 1/6W CM105 QRY1HJ33MY C 12KOHM, J, 1/6W CM105 QRY1HJ33MY C 100OHM, J, 1/6W CM105 QRY1HJ33MY C 10OOHM, J, 1/6W CM105 QRY1HJ33MY C 10OOHM, J, 1/6W CM105 QRY1HJ33MY C 10OOHM, J, 1/6W CM105 QRY1HJ33MY C 10OOHM, J, 1/6W CM105 QRY1HJ33MY C 10OOHM, J, 1/6W CM105 QRY1HJ33MY C 10OOHM, J, 1/6W CM105 QRY1HJ33MY C 10OOHM, J, 1/6W CM105 QRY1HJ33MY C 10OOHM, J, 1/6W CM105 QRY1HJ33MY C 10OOHM, J, 1/6W CM105 QRY1HJ33MY C 10OOHM, J, 1/6W CM105 QRY1HJ33MY C 10OOHM, J, 1/6W CM105 QRY1HJ33MY C 10OOHM, J, 1/6W CM105 QRY1HJ33MY C 10OOHM, J, 1/6W CM105 QRY1HJ33MY C 10OOHM, J, 1/6W CM105 QRY1HJ33MY C 10OOHM, J, 1/6W CM105 QRY1HJ33MY C 10OOHM, J, 1/6W CM105 QRY1HJ33MY C 10OOHM, J, 1/6W CM105 QRY1HJ33MY C 10OOHM, J, 1/6W CM105 QRY1HJ33MY C 10OOHM, J, 1/6W CM105 QRY1HJ33MY C
R8776 ORDIGIJSZY C 1.5KOHM, J, 1/6W R8063 ORGOSAJI23 M 12KOHM, J, 3W 7877 ORDIGIJSZY C 2.2KOHM, J, 1/6W R8064 ORGOSAJI23 M 12KOHM, J, 3W 22KOHM, J, 1/6W C 0.2KOHM,	D161J152Y
R8776 GR0161J822Y C 28/0HM	D161J322Y C 2.2KOHM, J, 1/6W R9061 D161J152Y C 1.5KOHM, J, 1/6W R9065 D161J132Y C 1.5KOHM, J, 1/6W R9065 D161J132Y C 1.5KOHM, J, 1/6W D161J132Y C 1.5KOHM, J, 1/6W D161J132Y C 1.5KOHM, J, 1/6W D161J132Y C 1.5KOHM, J, 1/6W D161J132Y C 1.5KOHM, J, 1/6W D161J132Y C 1.5KOHM, J, 1/6W D161J133Y C 1.5KOHM, J, 1/6W D161J132Y C 220 OHM, J, 1/6W D161J132Y C 220 OHM, J, 1/6W CM002 CM003 CM005
R6776 CRD161J322Y C	D161J322Y C 2.2KOHM, J, 1/6W R9064 R9065 R9064 R9065 R9064 R9065 R9066 R9069 R
R8770 ORDIS-JUSEY C	D161J182Y C 1.5KOHM, J, 1/6W D161J182Y C 1.5KOHM, J, 1/6W D161J183Y C 1.5KOHM, J, 1/6W D161J183Y C 1.5KOHM, J, 1/6W D161J183Y C 1.5KOHM, J, 1/6W D161J183Y C 1.5KOHM, J, 1/6W D161J183Y C 1.5KOHM, J, 1/6W D161J183Y C 1.5KOHM, J, 1/6W D161J183Y C 1.5KOHM, J, 1/6W D161J183Y C 1.5KOHM, J, 1/6W D161J221Y C 2.2COHM, J, 1/6W CM002 NCB21HK103AY C 0.01UF, K, 50V D161J321Y C 220 OHM, J, 1/6W CM002 NCB21HK103AY C 0.01UF, K, 50V D161J333Y C 33KOHM, J, 1/6W CM003 NCB21HK103AY C 0.01UF, K, 50V D161J333Y C 33KOHM, J, 1/6W CM005 NCB21HK103AY C 0.01UF, K, 50V D161J122Y C 1KOHM, J, 1/6W CM102 NCB21HK103AY C 0.01UF, K, 50V D161J122Y C 12KOHM, J, 1/6W CM102 NCB21HK102AY C 1000PF, K, 50V D161J123Y C 12KOHM, J, 1/6W CM103 NCB21HK102AY C 1000PF, K, 50V D161J123Y C 12KOHM, J, 1/6W CM103 NCB21HK102AY C 1000PF, K, 50V D161J123Y C 12KOHM, J, 1/6W CM103 NCB21HK102AY C 1000PF, K, 50V D161J123Y C 12KOHM, J, 1/6W CM103 NCB21HK102AY C 1000PF, K, 50V D161J123Y C 12KOHM, J, 1/6W CM103 NCB21HK102AY C 1000PF, K, 50V D161J101Y C 100 OHM, J, 1/6W CM106 NCB21HK102AY C 1000PF, K, 50V D161J101Y C 100 OHM, J, 1/6W CM108 NCB21HK102AY C 1000PF, K, 50V D161J101Y C 100 OHM, J, 1/6W CM108 NCB21HK102AY C 1000PF, K, 50V D161J101Y C 100 OHM, J, 1/6W CM109 NCB21HK102AY C 1000PF, K, 50V D161J101Y C 100 OHM, J, 1/6W CM109 NCB21HK102AY C 1000PF, K, 50V D161J101Y C 100 OHM, J, 1/6W CM109 NCB21HK102AY C 1000PF, K, 50V D161J101Y C 100 OHM, J, 1/6W CM109 NCB21HK103AY C 0.01UF, K, 50V D161J102Y C 1KOHM, J, 1/6W CM109 NCB21HK103AY C 0.01UF, K, 50V D161J103Y C 10KOHM, J, 1/6W CM109 NCB21HK103AY C 0.01UF, K, 50V NCB21HK103AY C 0.01UF, K, 50V NCB21HK103AY C 0.01UF, K, 50V NCB21HK103AY C 0.01UF, K, 50V NCB21HK103AY C 0.01UF, K, 50V NCB21HK103AY C 0.01UF, K, 50V NCB21HK103AY C 0.01UF, K, 50V NCB21HK103AY C 0.01UF, K, 50V NCB21HK103AY C 0.01UF, K, 50V NCB21HK103AY C 0.01UF, K, 50V NCB21HK103AY C 0.01UF, K, 50V NCB21HK103AY C 0.01UF, K, 50V NCB21HK103AY C 0.01UF, K, 50V NCB21HK103AY C 0.01UF, K, 50V NCB21HK103AY C 0.01UF, K, 50V NCB21HK103AY C 0.01UF, K, 50V NCB21HK103AY C 0.01
R8779 ORDISUISEY C	D161J162Y
R8796 ORD161JJ2297 C	D161J182Y C 2,2KOHM, J, 1/6W D161J123Y C 15KOHM, J, 1/6W D161J123Y C 15KOHM, J, 1/6W D161J123Y C 220 OHM, J, 1/6W CM002 NG821HK103AY C 0.01UF, K, 50V D161J331Y C 220 OHM, J, 1/6W CM002 NG821HK103AY C 0.01UF, K, 50V D161J331Y C 330 OHM, J, 1/6W CM002 NG821HK103AY C 0.01UF, K, 50V D161J331Y C 330 OHM, J, 1/6W CM006 NG821HK103AY C 0.01UF, K, 50V D161J331Y C 33KOHM, J, 1/6W CM006 NG821HK103AY C 0.01UF, K, 50V D161J331Y C 33KOHM, J, 1/6W CM006 NG821HK103AY C 0.01UF, K, 50V D161J331Y C 12KOHM, J, 1/6W CM102 NG821HK103AY C 0.01UF, K, 50V D161J123Y C 15KOHM, J, 1/6W CM103 NG821HK103AY C 0.01UF, K, 50V D161J123Y C 12KOHM, J, 1/6W CM103 NG821HK102AY C 1000PF, K, 50V D161J123Y C 12KOHM, J, 1/6W CM103 NG821HK102AY C 1000PF, K, 50V D161J123Y C 12KOHM, J, 1/6W CM106 NG821HK102AY C 1000PF, K, 50V D161J123Y C 12KOHM, J, 1/6W CM106 NG821HK102AY C 1000PF, K, 50V D161J123Y C 12KOHM, J, 1/6W CM106 NG821HK102AY C 1000PF, K, 50V D161J101Y C 100 OHM, J, 1/6W CM106 NG821HK102AY C 1000PF, K, 50V D161J101Y C 100 OHM, J, 1/6W CM108 NG821HK102AY C 1000PF, K, 50V D161J101Y C 100 OHM, J, 1/6W CM108 NG821HK102AY C 1000PF, K, 50V D161J101Y C 100 OHM, J, 1/6W CM108 NG821HK102AY C 1000PF, K, 50V D161J101Y C 100 OHM, J, 1/6W CM108 NG821HK103AY C 0.01UF, K, 50V D161J101Y C 100 OHM, J, 1/6W CM108 NG821HK103AY C 0.01UF, K, 50V D161J101Y C 100 OHM, J, 1/6W CM110 NG821HK103AY C 0.01UF, K, 50V D161J101Y C 100 OHM, J, 1/6W CM110 NG821HK103AY C 0.01UF, K, 50V D161J103Y C 2KOHM, J, 1/6W CM110 NG821HK103AY C 0.01UF, K, 50V D161J103Y C 10KOHM, J, 1/6W CM110 NG821HK103AY C 0.01UF, K, 50V D161J103Y C 10KOHM, J, 1/6W CM108 NG821HK103AY C 0.01UF, K, 50V D161J103Y C 10KOHM, J, 1/6W CM108 NG821HK103AY C 0.01UF, K, 50V D161J103Y C 10KOHM, J, 1/6W CM108 NG821HK103AY C 0.01UF, K, 50V D161J103Y C 10KOHM, J, 1/6W CM108 NG821HK103AY C 0.01UF, K, 50V D161J103Y C 10KOHM, J, 1/6W CM108 NG821HK103AY C 0.01UF, K, 50V NG821HK103AY C 0.01UF, K, 50V NG821HK103AY C 0.01UF, K, 50V NG821HK103AY C 0.01UF, K, 50V NG821HK103AY C 0.01UF, K, 50V NG821HK103AY C 0.01UF, K, 50V NG821HK1
R6761 CR0161J122Y C 22KOHM, J, 1/6W R6762 CR0161J163Y C 16KOHM, J, 1/6W R6763 CR0161J163Y C 26KOHM, J, 1/6W CR0261HK103AY C 0.01UF, K, 50V CR0761GJ121Y C 220 OHM, J, 1/6W CR0761GJ121Y C 220 OHM, J, 1/6W CR0761GJ121Y C 220 OHM, J, 1/6W CR0761GJ121Y C 220 OHM, J, 1/6W CR0761GJ121Y C 220 OHM, J, 1/6W CR0761GJ121Y C 220 OHM, J, 1/6W CR0761GJ121Y C 220 OHM, J, 1/6W CR0761GJ121Y C 220 OHM, J, 1/6W CR0761GJ121Y C 220 OHM, J, 1/6W CR0761GJ121Y C 220 OHM, J, 1/6W CR0761GJ121Y C 220 OHM, J, 1/6W CR0761GJ121Y C 220 OHM, J, 1/6W CR0761GJ121Y C 220 OHM, J, 1/6W CR0761GJ121Y C 230 OHM, J, 1/6W CR0761GJ121Y C 230 OHM, J, 1/6W CR0761GJ121Y C 230 OHM, J, 1/6W CR0761GJ121Y C 230 OHM, J, 1/6W CR0761GJ121Y C 230 OHM, J, 1/6W CR0761GJ121Y C 12KOHM, J, 1/6W CR0761GJ121Y C 12KOHM, J, 1/6W CR0761GJ121Y C 12KOHM, J, 1/6W CR0761GJ121Y C 12KOHM, J, 1/6W CR0761GJ121Y C 12KOHM, J, 1/6W CR0761GJ121Y C 12KOHM, J, 1/6W CR0761GJ121Y C 12KOHM, J, 1/6W CR0761GJ121Y C 12KOHM, J, 1/6W CR0761GJ121Y C 12KOHM, J, 1/6W CR0761GJ121Y C 12KOHM, J, 1/6W CR0761GJ121Y C 12KOHM, J, 1/6W CR0761GJ121Y C 12KOHM, J, 1/6W CR0761GJ121Y C 12KOHM, J, 1/6W CR0761GJ121Y C 12KOHM, J, 1/6W CR0761GJ121Y C 12KOHM, J, 1/6W CR0761GJ121Y C 12KOHM, J, 1/6W CR0761GJ121Y C 12KOHM, J, 1/6W CR0761GJ121Y C 12KOHM, J, 1/6W CR0761GJ121Y C 100 OHM, J, 1/6W CR0761GJ121Y C 100 OHM, J, 1/6W CR0761GJ121Y C 100 OHM, J, 1/6W CR0761GJ121Y C 100 OHM, J, 1/6W CR0761GJ121Y C 100 OHM, J, 1/6W CR0761GJ121Y C 100 OHM, J, 1/6W CR0761GJ121Y C 100 OHM, J, 1/6W C 100 OHM, J, 1/6W C 100 OHM, J, 1/6W C 100 OHM, J, 1/6W C 100 OHM, J, 1/6W C 100 OHM, J, 1/6W C 100 OHM, J, 1/6W C 100 OHM, J, 1/6W C 100 OHM, J, 1/6W C 100 OHM, J, 1/6W C 100 OHM, J, 1/6W C 100 OHM, J, 1/6W C 100 OHM, J, 1/6W C 100 OHM, J, 1/6W C 100 OHM, J, 1/6W C 100 OHM, J, 1/6W C 100 OHM, J, 1/6W C 100 OHM, J, 1/6	D161J222Y C 2.2KOHM, J, 1/6W D161J163Y C 12KOHM, J, 1/6W D161J163Y C 68KOHM, J, 1/6W D161J221Y C 220 OHM, J, 1/6W CM002 NCB21HK103AY C 0.01UF, K, 50V D161J321Y C 220 OHM, J, 1/6W CM002 NCB21HK103AY C 0.01UF, K, 50V D161J321Y C 220 OHM, J, 1/6W CM003 NCB21HK103AY C 0.01UF, K, 50V D161J333Y C 33KOHM, J, 1/6W CM003 NCB21HK103AY C 0.01UF, K, 50V D161J333Y C 33KOHM, J, 1/6W CM006 NCB21HK103AY C 0.01UF, K, 50V D161J333Y C 33KOHM, J, 1/6W CM006 NCB21HK103AY C 0.01UF, K, 50V D161J123Y C 12KOHM, J, 1/6W CM101 QETC1HM474Z E 0.47UF, M, 50V CM101 QETC1HM474Z E 0.47UF, M, 50V CM103 NCB21HK102AY C 1000PF, K, 50V CM103 NCB21HK103AY C 1000PF, K, 50V CM103 NCB21HK103AY C 1000PF, K, 50V CM103 NCB21HK103AY C 1000PF, K, 50V CM103 NCB21HK103AY C 1000PF, K, 50V CM103 NCB21HK103AY C 1000PF, K, 50V CM103 NCB21HK103AY C 1000PF, K, 50V CM103 NCB21HK103AY C 1000PF, K, 50V CM103 NCB21HK103AY C 1000PF, K, 50V CM103 NCB21HK103AY C 1000PF, K, 50V CM103 NCB21HK103AY C 1000PF, K, 50V CM103 NCB21HK103AY C 1000PF, K, 50V CM103 NCB21HK103AY C 1000PF, K, 50V CM103 NCB21HK103AY C 1000PF, K, 50V CM103 NCB21HK103AY C 1000PF, K, 50V CM103 NCB21HK103AY C 1000PF, K, 50V CM103 NCB21HK103AY C 1000PF, K, 50V CM103 NCB21HK103AY C 1000PF, K, 50V CM103 NCB21HK103AY C 1000PF, K, 50V
R6781 ORDIGIJ123Y C 12KOHM, J, 1/6W R6783 ORDIGIJ123Y C 280 OHM, J, 1/6W C C C C C C C C C	D161J123Y
R6762 ORD161J163Y C	D161J153Y C
R0789 ORD161Ju221Y	D161J683Y C
R6790 R0161Ju221Y	D161J221Y C 220 OHM, J, 1/6W CM001 CETC1HM474Z E 0.47UF, M, 50V CM01921Y C 220 OHM, J, 1/6W CM003 NCB21HK103AY C 0.01UF, K, 50V CM019333Y C 33KOHM, J, 1/6W CM004 NCB21HK103AY C 0.01UF, K, 50V CM0161J333Y C 33KOHM, J, 1/6W CM005 NCB21HK103AY C 0.01UF, K, 50V CM0161J33Y C 33KOHM, J, 1/6W CM006 NCB21HK103AY C 0.01UF, K, 50V CM0161J102Y C 1KOHM, J, 1/6W CM101 CM1012 CM1013 NCB21HK102AY C 1000PF, K, 50V CM103 NCB21HK102AY C 1000PF, K, 50V CM103 NCB21HK102AY C 1000PF, K, 50V CM103 NCB21HK102AY C 1000PF, K, 50V CM103 NCB21HK102AY C 1000PF, K, 50V CM103 NCB21HK103AY C 0.01UF, K
R6791 ORD161J221Y	D161J221Y C 220 OHM,
R8792 ORDIEIJ2317 C 220 OHM, J. 1/8W CM003 CM221*R*(100.47) C 0. 0.1 UF, K. 25V R8793 ORDIEIJ3337 C 330 OHM, J. 1/8W CM005	D161J321Y C 220 OHM, J, 1/6W CM003 NCB21HK103AY C 0.1UF, K, 50V CM003 NCB21HK103AY C 0.01UF, K, 50V CM003 NCB21HK103AY C 0.01UF, K, 50V CM003 NCB21HK103AY C 0.01UF, K, 50V CM003 NCB21HK103AY C 0.01UF, K, 50V CM003 NCB21HK103AY C 0.01UF, K, 50V CM101 CM104 CM104 CM105 CM104 CM105 CM104 CM105 CM104 CM105
R8793	D161J331Y C 330 OHM, J, 1/6W CM005 CM004 CM005 CM005 CM006 C
R6799 GR0161J333Y C 330 OHM	D161J331Y C 330 OHM,
R8794 ORDIGIJU393	D161J3333Y C 33KOHM, J, 1/6W CM101 CM102 C 1KOHM, J, 1/6W CM101 CM102Y C 1KOHM, J, 1/6W CM101 CM102Y C 12KOHM, J, 1/6W CM103 CM102Y C 12KOHM, J, 1/6W CM103 CM102Y C 12KOHM, J, 1/6W CM105 CM105 CM21HK102AY C 1000PF, K, 50V D161J123Y C 12KOHM, J, 1/6W CM105 CM107 CM106 CM107 CM106 CM107 CM106 CM107 CM106 CM107 CM106 CM107 CM106 CM107 CM106 CM107 CM106 CM107 CM106 CM107 CM106 CM107 CM106 CM107 CM106 CM107 CM106 CM107 CM106 CM107 CM106 CM107 CM107 CM107 CM108 CM109 CM
R6796 ORDIGIJI029Y C 18COHM, J 1/6W	D161J333Y
R8961 GRD161J102Y C 1KOHM, J, 1/6W CM108 CM21HK102AY C 1000PF, K, 50V R8902 GRD161J123Y C 12KOHM, J, 1/6W CM108 GPV71HJ354W2 P 0.33UF, K, 50V R8904 GRD161J103Y C 100 OHM, J, 1/6W CM108 GPV71HJ354W2 P 0.33UF, K, 50V GRB0161J101Y C 100 OHM, J, 1/6W CM108 GRP71HJ354W2 C 1000PF, K, 50V GRB0161J101Y C 100 OHM, J, 1/6W CM108 GRB1HK102AY C 1000PF, K, 50V GRB0161J101Y C 100 OHM, J, 1/6W CM108 GRB1HK102AY C 1000PF, K, 50V GRB0161J101Y C 100 OHM, J, 1/6W CM110 NGB21HK102AY C 0.01UF, K, 50V GRB0161J101Y C 100 OHM, J, 1/6W CM110 NGB21HK102AY C 0.01UF, K, 50V GRB0161J101Y C 100 OHM, J, 1/6W CM110 NGB21HK102AY C 0.01UF, K, 50V GRB0161J101Y C 100 OHM, J, 1/6W CM1110 NGB21HK102AY C 0.01UF, K, 50V GRB0161J101Y C 100 OHM, J, 1/6W CM1110 NGB21HK102AY C 0.01UF, K, 50V GRB0161J101Y C 100 OHM, J, 1/6W CM112 NGB21HK102AY C 0.01UF, K, 50V GRB0161J101Y C 100 OHM, J, 1/6W CM112 NGB21HK102AY C 0.01UF, K, 50V GRB0161J101Y C 100 OHM, J, 1/6W CM112 NGB21HK102AY C 0.01UF, K, 50V GRB0161J101Y C 100 OHM, J, 1/6W CM110 NGB21HK103AY C 0.01UF, K, 50V GRB006 GRD1231104SX C 100KOHM, J, 1/6W CM106 NGB21HK103AY C 0.01UF, K, 50V GRB0161J103Y C 10KOHM, J, 1/6W CM106 NGB21HK103AY C 0.01UF, K, 50V GRB0161J103Y C 10KOHM, J, 1/6W CM106 NGB21HK103AY C 0.01UF, K, 50V GRB0161J103Y C 10KOHM, J, 1/6W CM106 NGB21HK103AY C 0.01UF, K, 50V GRB0161J103Y C 10KOHM, J, 1/6W CM106 NGB21HK103AY C 0.01UF, K, 50V GRB0161J103Y C 10KOHM, J, 1/6W CM106 NGB21HK103AY C 0.01UF, K, 50V GRB0161J103Y C 10KOHM, J, 1/6W CM106 NGB21HK103AY C 0.01UF, K, 50V GRB0161J103Y C 10KOHM, J, 1/6W CM106 NGB21HK103AY C 0.01UF, K, 50V GRB0161J103Y C 10KOHM, J, 1/6W CM106 NGB21HK103AY C 0.01UF, K, 50V GRB0161J103Y C 10KOHM, J, 1/6W CM106 NGB21HK103AY	D161J102Y
R8801 R890	D161J123Y C 12KOHM, J, 1/6W CM105 NCB21HK102AY C 1000PF, K, 50V CM106 QFV71HJ334MZ C 2200PF, K, 50V CM106 QFV71HJ334MZ C 0.33UF, J, 50V CM106 QFV71HJ334MZ C 0.33UF, J, 50V CM106 QFV71HJ334MZ C 0.01UF, K, 50V CM106 QFV71HJ334MZ C 0.01UF, K, 50V CM107 NCB21HK102AY C 1000PF, K, 50V CM108 NCB21HK102AY C 1000PF, K, 50V CM108 NCB21HK102AY C 1000PF, K, 50V CM108 NCB21HK102AY C 1000PF, K, 50V NCB21HK102AY C 1000PF, K, 50V NCB21HK102AY C 1000PF, K, 50V NCB21HK102AY C 0.01UF, K, 50V NCB21HK102AY C 0.01UF, K, 50V NCB21HK102AY C 0.01UF, K, 50V NCB21HK102AY C 0.01UF, K, 50V NCB21HK102AY C 0.01UF, K, 50V NCB21HK22AY C 2200PF, K, 50V NCB21HK22AY C 2200PF, K, 50V NCB21HK22AY C 2200PF, K, 50V NCB21HK22AY C 2200PF, K, 50V NCB21HK22AY C 2200PF, K, 50V NCB21HK22AY C 2200PF, K, 50V NCB21HK22AY C 200PF, K, 50V NCB21HK103AY C 0.01UF, K, 50V NC
R8802	D161J123Y
R8803 ORD161J123Y	D161J123Y
R8806	D161J123Y
R8606 ORD161J101Y C 100 OHM, J, 1/6W CM109 NCB21HK102AY C 1000PF, K, 50V R6807 ORD161J101Y C 100 OHM, J, 1/6W CM109 NCB21HK103AY C 0.01UF, K, 50V NCB21HK103AY C 0.01UF, K, 50V NCB21HK103AY C 0.01UF, K, 50V NCB21HK103AY C 0.01UF, K, 50V NCB21HK1	D161J101Y
R8806 QRD161J101Y C 100 OHM, J, 1/6W CM10 NGB21HK102AY C 1000PF, K, 50V R8808 QRD161J101Y C 100 OHM, J, 1/6W CM110 NGB21HK103AY C 0.01UF, K, 50V R8809 QRD161J102Y C 100 OHM, J, 1/6W CM111 NGB21HK103AY C 0.01UF, K, 50V CM10 NGB21HK103AY C 0.0	D161J101Y C 100 OHM,
R6806 CRD161J101Y C 100 OHM, J, 1/6W CRD109 NCR21HK102AY C 0.010PF, K, 50V R6808 CRD161J101Y C 100 OHM, J, 1/6W CRD10 NCR21HK102AY C 0.010PF, K, 50V CRD10 R6809 CRD161J101Y C 100 OHM, J, 1/6W CRD11 NCR21HK102AY C 0.010PF, K, 50V CRD10 R6801 CRD161J23Y C 2EKOHM, J, 1/6W CRD11 NCR21HK102AY C 0.010PF, K, 50V CRD10 R6800 CRD123J104SX C 100KOHM, J, 1/2W CTD10 CRD21HK103AY C 0.010PF, K, 50V R6800 CRD123J104SX C 100KOHM, J, 1/6W CTD10 CRD21HK103AY C 0.010PF, K, 50V R6800 CRD161J103Y C 10KOHM, J, 1/6W CTD10 CRD21HK103AY C 0.010PF, K, 50V CRD10 R6801 CRD161J103Y C 10KOHM, J, 1/6W CTD10 CRD161J103Y C 10KOHM, J, 1/6W CTD10 CRD161J103Y C 10KOHM, J, 1/6W CTD10 CRD161J103Y C 10KOHM, J, 1/6W CTD10 CRD161J103Y C 10KOHM, J, 1/6W CTD10 CRD161J103Y C 10KOHM, J, 1/6W CTD10 CRD161J103Y C 10KOHM, J, 1/6W CTD10 CRD161J103Y C 10KOHM, J, 1/6W CTD10 CRD161J103Y C 10KOHM, J, 1/6W CTD10 CRD161J103Y C 10KOHM, J, 1/6W CTD10 CRD21HK103AY C 0.010PF, K, 50V C	D161J101Y C 100 OHM,
R8690	D161J101Y
R8690 ORD163J101Y C 100 OHM, J, 1/6W CM112 NCB21HK103AY C 2200FF, K, 50V R810 ORD163J1023Y C 22KOHM, J, 1/2W CM113 NCB21HK223AY C 2200FF, K, 50V CM180 NCB21HK103AY C 2000FF, K, 50V CM190 ORD123J104SX C 100KOHM, J, 1/2W CM110 NCB21HK103AY C 0.01UF, K, 50V ORD163J103Y C 100KOHM, J, 1/6W CM104 NCB21HK103AY C 0.01UF, K, 50V ORD163J103Y C 10KOHM, J, 1/6W CM104 NCB21HK103AY C 0.01UF, K, 50V ORD163J103Y C 10KOHM, J, 1/6W CM104 NCB21HK103AY C 0.01UF, K, 50V ORD163J103Y C 10KOHM, J, 1/6W CM104 NCB21HK103AY C 0.01UF, K, 50V ORD163J103Y C 10KOHM, J, 1/6W CM104 NCB21HK103AY C 0.01UF, K, 50V ORD163J103Y C 10KOHM, J, 1/6W CM105 NCB21HK103AY C 0.01UF, K, 50V ORD163J103Y C 10KOHM, J, 1/6W CM104 ORD163J103Y C 10KOHM, J, 1/6W CM105 ORD163J103Y C 10KOHM, J, 1/6W CM105 ORD163J103Y C 10KOHM, J, 1/6W CM105 ORD163J103Y C 10KOHM, J, 1/6W CM105 ORD163J103Y C 10KOHM, J, 1/6W CM105 ORD163J103Y C 10KOHM, J, 1/6W CM105 ORD163J103Y C 0.01UF, K, 50V ORD163J103Y C 0.01UF, K, 50V ORD163J103Y C 0.01UF, K, 50V ORD163J103Y C 0.01UF, K, 50V ORD163J103Y C 0.01UF, K, 50V ORD163J103Y C 0.01UF, K, 50V ORD163J103Y C 0.01UF, K, 50V ORD163J103Y C 0.01UF, K, 50V ORD163J103Y C 0.00KOHM, J, 1/6W CM105 ORD163J103Y C 0.00KOHM, J, 1/6W CM105 ORD163J103Y C 0.00KOHM, J, 1/6W CM105 ORD163J103Y C 0.00KOHM, J, 1/6W CM105 ORD163J103Y C 0.00KOHM, J, 1/6W CM105 ORD163J103Y C 0.00KOHM, J, 1/6W CM105 ORD163J103Y C 0.00KOHM, J, 1/6W CM105 ORD163J103Y C 0.00KOHM, J, 1/6W CM105 ORD163J103Y C 0.00KOHM, J, 1/6W CM105 ORD163J103Y C 0.00KOHM, J, 1/6W CM105 ORD163J103Y C 0.00KOHM, J, 1/6W CM105 ORD163J103Y C 0.00KOHM, J, 1/6W CM105 ORD163J103Y C 0.00KOHM, J, 1/6W CM105 ORD163J103Y C 0.00KOHM, J, 1/6W CM105 ORD163J103Y C 0.	D161J101Y C 100 OHM,
R8810 QRD161JJ02Y C	D161J102Y C
R8810	D161J223Y C 22KOHM,
R9002 R9002 R90123J104SX C 100KOHM, J, 1/2W C 1101 C R00E21HK103AY C 0.01UF, K, 50V R9008 R9018J109Y C 10KOHM, J, 1/6W C 1102 R00E21HK103AY C 0.01UF, K, 50V R9019 R9010 R0161J103Y C 10KOHM, J, 1/6W C 1106 R02E1HK103AY C 0.01UF, K, 50V R9010 R0161J103Y C 10KOHM, J, 1/6W C 1106 R02E1HK103AY C 0.01UF, K, 50V R0101 R0161J103Y C 10KOHM, J, 1/6W C 1106 R02E1HK103AY C 0.01UF, K, 50V R0101 R0161J103Y C 10KOHM, J, 1/6W C 1106 R02E1HK103AY C 0.01UF, K, 50V R0101 R0161J103Y C 10KOHM, J, 1/6W C 1106 R02E1HK103AY C 0.01UF, K, 50V R0101 R0161J103Y C 10KOHM, J, 1/6W C 1106 R02E1HK103AY C 0.01UF, K, 50V R0101 R0161J103Y C 10KOHM, J, 1/6W C 1106 R02E1HK103AY C 0.01UF, K, 50V R0101 R0161J103Y C 10KOHM, J, 1/6W C 1106 R02E1HK103AY C 0.01UF, K, 50V R0161J103Y C 10KOHM, J, 1/6W C 1106 R02E1HK103AY C 0.01UF, K, 50V R0161J103Y C 10KOHM, J, 1/6W C 1106 R02E1HK103AY C 0.01UF, K, 50V R0161J104Y C 100KOHM, J, 1/6W C 1116 R02E1HK103AY C 0.01UF, K, 50V R0161J104Y C 100KOHM, J, 1/6W C 1116 R02E1HK103AY C 0.01UF, K, 50V R0161J104Y C 100KOHM, J, 1/6W C 1116 R02E1HK103AY C 0.01UF, K, 50V R0161J104Y C 100KOHM, J, 1/6W C 1116 R0161J104Y C 100KOHM, J, 1/6W C 1116 R0161J103Y C 100KOHM, J, 1/6W C 1116 R0161J103Y C 100KOHM, J, 1/6W C 1116 R0161J103Y C 100KOHM, J, 1/6W C 1116 R0161J103Y C 100KOHM, J, 1/6W C 1116 R0161J103Y C 100KOHM, J, 1/6W C 1116 R0161J103Y C 100KOHM, J, 1/6W C 1116 R0161J103Y C 100KOHM, J, 1/6W C 1116 R0161J103Y C 100KOHM, J, 1/6W C 1116 R0161J103Y C 100KOHM, J, 1/6W C 1116 R0161J103Y C 100KOHM, J, 1/6W C 1116 R0161J103Y C 100KOHM, J, 1/6W C 1116 R0161J103Y C 100KOHM, J, 1/6W C 1116 R0161J103Y C 100KOHM, J, 1/6W C 1116 R	D122J474S
R9006 GRD123J104SX C 100KOHM, J, 1/2W C1102 NCB21HK103AY C 0.01UF, K, 50V R9009 GRD161J103Y C 10KOHM, J, 1/6W C1104 NCB21HK103AY C 0.01UF, K, 50V R9010 GRD161J103Y C 10KOHM, J, 1/6W C1105 NCB21HK103AY C 0.01UF, K, 50V R9011 GRD161J103Y C 10KOHM, J, 1/6W C1106 NCB21HK103AY C 0.01UF, K, 50V R9012 GRD161J103Y C 10KOHM, J, 1/6W C1106 NCB21HK103AY C 0.01UF, K, 50V R9012 GRD161J103Y C 10KOHM, J, 1/6W C1108 NCB21HK103AY C 0.01UF, K, 50V R9013 GRD161J103Y C 10KOHM, J, 1/6W C1108 NCB21HK103AY C 0.01UF, K, 50V R9014 GR039J653A M 56KOHM, J, 1/6W C1108 NCB21HK103AY C 0.01UF, K, 50V R9016 GR039J653A M 56KOHM, J, 1/6W C1108 NCB21HK103AY C 0.01UF, K, 50V R9020 GRD161J222Y C 2.2KOHM, J, 1/6W C1111 NCB21HK103AY C 0.01UF, K, 50V R9020 GRD161J104Y C 100KOHM, J, 1/6W C1115 NCB21HK103AY C 0.01UF, K, 50V R9020 GRD161J104Y C 100KOHM, J, 1/6W C1115 NCB21HK103AY C 0.01UF, K, 50V R9020 GRD161J104Y C 100KOHM, J, 1/6W C1115 NCB21HK103AY C 0.01UF, K, 50V R9020 GRD161J104Y C 100KOHM, J, 1/6W C1116 NCB21HK103AY C 0.01UF, K, 50V GRD161J104Y C 100KOHM, J, 1/6W C1116 NCB21HK103AY C 0.01UF, K, 50V GRD161J104Y C 100KOHM, J, 1/6W C1116 NCB21HK103AY C 0.01UF, K, 50V GRD161J303Y C	D123J104SX
R9006 QRD182J104SX C 100KOHM, J, 1/6W C1104 NCB21HK103AY C 0.01UF, K, 50V R9010 QRD161J103Y C 10KOHM, J, 1/6W C1105 NCB21HK103AY C 0.01UF, K, 50V R9010 QRD161J103Y C 10KOHM, J, 1/6W C1106 NCB21HK103AY C 0.01UF, K, 50V R9011 QRD161J103Y C 10KOHM, J, 1/6W C1106 NCB21HK103AY C 0.01UF, K, 50V R9012 QRD161JJ03Y C 10KOHM, J, 1/6W C1108 NCB21HK103AY C 0.01UF, K, 50V C108 NCB21HK103AY C 0.01UF, K, 50V C108 NCB21HK103AY C 0.01UF, K, 50V C109 NCB21HK103AY C 0.01UF, K, 50V C108 NCB21HK103AY C 0.01UF, K, 50V C109 NCB21HK103AY C 0.01UF, K, 50V C109 NCB21HK103AY C 0.01UF, K, 50V C108 NCB21HK103AY C 0.01UF, K, 50V C108 NCB21HK103AY C 0.01UF, K, 50V C108 NCB21HK103AY C 0.01UF, K, 50V C108 NCB21HK103AY C 0.01UF, K, 50V C108 NCB21HK103AY C 0.01UF, K, 50V NCB21HK103AY	D123J104SX
R9008 QRD161J103Y C	D161J103Y C 10KOHM,
R8009 QRD161J103Y C	D161J103Y C 10KOHM,
R8010 QRD161J561Y C 580 OHM, J, 1/6W C1106 NG821HK103AY C 0.01UF, K, 50V R8013 QRD161J470Y C 47 OHM, J, 1/6W C1108 NC03CH421AY C 120PF, J, 50V R8013 QRD161J303Y C 10KOHM, J, 1/6W C1109 NC821HK103AY C 0.01UF, K, 50V C1109 NC821HK103AY C 0.01UF, K, 50V C1109 NC821HK103AY C 0.01UF, K, 50V C1110 NC821HK103AY C 0.01UF, K, 50V C1110 NC821HK103AY C 0.01UF, K, 50V C11110 NC821HK103AY C 0.01UF, K, 50V C11110 NC821HK103AY C 0.01UF, K, 50V NC8	D161J561Y C 560 OHM, J, 1/6W C1106 NCB21HK103AY C 0.01UF, K, 50V C1107 NCT03CH121AY C 120PF, J, 50V C1108 NCB21HK103AY C 120PF, J, 50V C1108 NCT03CH470AY C 47PF, J, 50V C1108 NCT03CH470AY C 47PF, J, 50V C1109 NCB21HK103AY C 0.01UF, K, 50V C1109 NCB21HK103AY C 0.01UF, K, 50V C1110 NCB21HK103AY C 0.01UF, K, 50V C1110 NCB21HK103AY C 0.01UF, K, 50V C1111 NCT03CH560AY C 56PF, J, 50V C1111 NCT03CH560AY C 56PF, J, 50V C1112 NCB21HK103AY C 0.01UF, K, 50V C1112 NCB21HK103AY C 0.01UF, K, 50V C1112 NCB21HK103AY C 0.01UF, K, 50V C1112 NCB21HK103AY C 0.01UF, K, 50V C1113 NCB21HK103AY C 0.01UF, K, 50V C1113 NCB21HK103AY C 0.01UF, K, 50V C1114 QEN61CM476Z E 47UF, M, 16V C1115 NCT03CH560AY C 12PF, J, 50V C1116 NCT03CH560AY C 56PF, J, 50V C1116 NCT03CH560AY C 5
R9011 QRD161J103Y C	D161J103Y C 10KOHM,
R8011 QRD161J103Y C 10KOHM, J, 1/6W C1108 NCT03CH121AY C 47PF, J, 50V R8013 QRD161J103Y C 10KOHM, J, 1/6W C1109 NCB21HK103AY C 0.01UF, K, 50V R8014 QRM059KR22 M 0.22 OHM, K, 5W C1110 NCB21HK103AY C 0.01UF, K, 50V NCB21HK103AY C	D161J103Y C 10KOHM,
R8012 QRD161J470Y C	D161J470Y C 47 OHM,
R8013 QRD161J103Y QRD16J103X QRD16J10	D161J103Y C 10KOHM,
R8014 QRM069KR22 M 0.22 OHM, K 5W C1110 NCB21HK103AY C 0.01UF, K 50V R8016 QRD123J1828X C 1.8KOHM, J 1/2W C1111 NCB21HK103AY C 0.01UF, K 50V R8020 QRD161J22Y C 2.2KOHM, J 1/6W C1113 NCB21HK103AY C 0.01UF, K 50V R8021 QRD161J104Y C 100KOHM, J 1/6W C1114 QEN61CM476Z E 47UF, M 16V R8022 QRD161J393Y C 39KOHM, J 1/6W C1116 NCT03CH1660AY C 12PF, J 50V R8022 QRD161J104Y C 100KOHM, J 1/6W C1116 NCT03CH1660AY C 12PF, J 50V R8026 QRD161J104Y C 100KOHM, J 1/6W C1116 NCT03CH1660AY C 12PF, J 50V R8026 QRD161J104Y C 100KOHM, J 1/6W C1116 NCT03CH1660AY C 15PF, J 50V R8027 QRD161J104Y C 100KOHM, J 1/6W C1117 QAT3110300A T 33PF, 100V R8029 QRD161J392Y C 10KOHM, J 1/6W C1120 QETC1CM476Z E 47UF, M 16V R8029 QRD161J392Y C 10KOHM, J 1/6W C1120 QETC1CM476Z E 47UF, M 16V R8030 QRD161J392Y C 3.9KOHM, J 1/6W C1120 QETC1CM476Z E 47UF, M 16V R8030 QRD161J392Y C 3.9KOHM, J 1/6W C1120 QETC1CM476Z E 47UF, M 16V R8034 QRV141F3901A QRD161J392Y C 3.9KOHM, F 1/4W C1120 QETC1CM476Z E 47UF, M 16V R8034 QRV141F3901A M 3.9KOHM, F 1/4W C1120 NCB21HK103AY C 0.01UF, K 50V R8033 QRD161J103Y C 10KOHM, F 1/4W C1201 NCB21HK103AY C 0.01UF, K 50V R8043 QRD161J103Y C 10KOHM, J 1/2W C1204 NCB21HK103AY C 0.01UF, K 50V NCB041HK103AY C	M059KR22 M 0.22 OHM, K, 5W C1110 NCB21HK103AY C 0.01UF, K, 50V C1123J182SX C 1.8KOHM, J, 1/2W C1111 NCT03CH560AY C 0.01UF, K, 50V C1161J222Y C 2.2KOHM, J, 1/6W C1113 NCB21HK103AY C 0.01UF, K, 50V C1113 NCB21HK103AY C 0.01UF, K, 50V C1114 QEN61CM476Z E 47UF, M, 16V C1115 NCT03CH120AY C 12PF, J, 50V C1116 NCT03CH560AY C 56PF, J, 50V C1116 NCT03CH560AY C 56PF, J, 50V C1116 NCT03CH560AY C 56PF, J, 50V
R9015 QRG039J563A M 56KOHM, J 3W C1111 NCT03CH560AY C 56PF, J 50V	G039J563A
R9016 QRD123J182SX C	D123J182SX C 1.8KOHM,
R9020 QRD161J222Y C 2.2KOHM,	D161J222Y
R9021 QRD161J104Y C 100KOHM, J, 1/6W C11114 QEN61CM476Z E 47UF, M, 16V R9023 QRD161J393Y C 100KOHM, J, 1/6W C1116 NCT03CH50AY C 56FF, J, 50V R9026 QRD161J104Y C 100KOHM, J, 1/6W C1116 NCT03CH50AY C 56FF, J, 50V R9027 QRD161J104Y C 100KOHM, J, 1/6W C1117 QAT3110300A T 33PF, 100V C1118 NCB21HK103AY C 0.01UF, K, 50V C1118 QETC1CM476Z E 47UF, M, 16V C1118 NCB21HK103AY C 0.01UF, K, 50V C1118 QETC1CM476Z E 47UF, M, 16V C1118 QETC1CM476Z E 47UF, M, 16V C1119 QETC1CM476Z E 47UF, M, 16V C1120 QETC1CM476Z E 47UF, M, 1	D161J104Y C 100KOHM, J, 1/6W C1114 QEN61CM476Z E 47UF, M, 16V C161J393Y C 39KOHM, J, 1/6W C1116 NCT03CH560AY C 56PF, J, 50V
R9022 QRD161J474Y	D161J474Y C 470KOHM, J, 1/6W C1115 NCT03CH120AY C 12PF, J, 50V C1116 NCT03CH560AY C 56PF, J, 50V
R9023 R90161J393Y C	D161J393Y C 39KOHM, J, 1/6W C1116 NCT03CH560AY C 56PF, J, 50V
R9026 R90161J104Y C 100KOHM, J, 1/6W C1117 QAT3110300A T 33PF, 100V R9027 QRD161J182Y C 1.8KOHM, J, 1/6W C1118 NCB21HK103AY C 0.01UF, K, 50V R9029 QRD161J103Y C 10KOHM, J, 1/6W C1120 QETC1CM476Z E 47UF, M, 16V C1120 QETC1CM476Z E	OTTO NOTOSOTISODAT O SOFT, U, SOV
R9027 R90161J182Y C 1.8KOHM, J, 1/6W C 1118 NCB21HK103AY C 0.01UF, K, 50V R9029 RD161J271Y C 270 OHM, J, 1/6W C 1119 QETC1CM476Z E 47UF, M, 16V R9029 RD161J392Y C 10 KOHM, J, 1/2W C 1120 QETC1CM476Z E 47UF, M, 16V R9030 QRD161J392Y C 3.9KOHM, J, 1/6W C 1122 QAT3110300A T 33FF, 100V R9032 QRD161J392Y C 3.9KOHM, J, 1/6W C 1123 NCT03CH101AY C 100PF, J, 50V R9034 QRV141F2202A M 22KOHM, F, 1/4W C 1125 NCT03CH8R0AY C 8200PF, K, 50V R9035 QRV141F3901A M 3.9KOHM, F, 1/4W C 1201 NCB21HK103AY C 0.01UF, K, 50V R9039 QRD123J154SX C 150KOHM, J, 1/6W C 1201 NCB21HK103AY C 0.01UF, K, 50V R9040 QRD161J103Y C 10KOHM, J, 1/2W C 1205 NCT03CH820AY C 82PF, J, 50V R9041 QRD123J154SX C 150KOHM, J, 1/2W C 1206 QAT3110450A T 45PF 100V R9042 QRD123J184SX C 18KOHM, J, 1/2W C 1208 QAT3110450A T 45PF 100V R9044 QRV141F3901A M 2.7KOHM, F, 1/4W C 1208 QAT3110450A T 45PF 100V R9045 QRV141F3901A M 2.7KOHM, F, 1/4W C 1209 QAT3110450A T 45PF 100V R9046 QRV141F3901A M 2.7KOHM, F, 1/4W C 1209 QAT3110450A T 45PF 100V R9046 QRD161J363Y C 56KOHM, J, 1/6W C 1210 NCB21HK103AY C 0.01UF, K, 50V R9047 QRD161J303Y C 56KOHM, J, 1/6W C 1210 NCB21HK103AY C 0.007UF, K, 50V R9048 QRD161J363Y C 56KOHM, J, 1/6W C 1211 NCT03CH221AY C 220PF, J, 50V NCB21HK103AY C 0.007UF, K, 50V NCB21HK103AY C 0.007UF, K, 50V NCB21HK103AY C 0.007UF, K, 50V NCB21HK103AY C 0.007UF, K, 50V NCB21HK103AY C 0.007UF, K, 50V NCB21HK103AY C 0.007UF, K, 50V NCB21HK103AY C 0.007UF, K, 50V NCB21HK103AY C 0.007UF, K, 50V NCB21HK103AY C 0.007UF, K, 50V NCB21HK103AY C 0.007UF, K, 50V NCB21HK103AY C 0.007UF, K, 50V NCB21HK103AY C 0.007UF,	3181 1104V C 100KOHM 1/6W
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R9043 QRD123J184SX C 180KOHM, J, 1/2W C1208 NCT03CH121AY C 120PF, J, 50V R9044 QRV141F3901A M 3.9KOHM, F, 1/4W C1209 QAT3110450A T 45PF 100V R9045 QRV141F2701A M 2.7KOHM, F, 1/4W C1210 NCB21HK103AY C 0.01UF, K, 50V R9046 QRD161J563Y C 56KOHM, J, 1/6W C1211 NCT03CH221AY C 220PF, J, 50V R9047 QRD161J103Y C 10KOHM, J, 1/6W C1212 NCB21HK273AY C 0.027UF, K, 50V R9048 QRV141F1501A M 1.5KHOM, F, 1/4W C1213 NCB21HK103AY C 0.01UF, K, 50V R9050 QRD161J223Y C 22KOHM, J, 1/6W C1214 QETC1HM105Z E 1UF, M, 50V	3400 H0000V O 40VOUNA 1 4/0NV
R9044 QRV141F3901A M 3.9KOHM, F, 1/4W C1209 QAT3110450A T 45FF 100V R9045 QRV141F2701A M 2.7KOHM, F, 1/4W C1210 NCB21HK103AY C 0.01UF, K, 50V R9046 QRD161J563Y C 56KOHM, J, 1/6W C1211 NCT03CH221AY C 220PF, J, 50V R9047 QRD161J103Y C 10KOHM, J, 1/6W C1212 NCB21HK273AY C 0.027UF, K, 50V R9050 QRD161J223Y C 22KOHM, J, 1/6W C1214 QETC1HM105Z E 1UF, M, 50V	01207 QATOTTOTOOA
R9045 QRV141F2701A M 2.7KOHM, F, 1/4W C1210 NCB21HK103AY C 0.01UF, K, 50V R9047 QRD161J103Y C 10KOHM, J, 1/6W C1212 NCB21HK273AY C 0.027UF, K, 50V R9048 QRV141F1501A M 1.5KHOM, F, 1/4W C1213 NCB21HK103AY C 0.01UF, K, 50V C1214 QETC1HM105Z E 1UF, M, 50V C1214 QETC1HM105Z C1214 QETC1HM105Z E 1UF, M, 50V C1214 QETC1HM105Z C1214 QETC1HM105Z C1214 QETC1HM105Z C1214 QETC1HM105Z C1214 QETC1HM105Z C1214 QETC1HM105Z C1214 QETC1HM105Z C1214 QETC1HM105Z C1214 QETC1HM105Z C1214 QETC1HM105Z C1214 QETC1HM105Z C1214 QETC1HM105Z C1214 QETC1HM105Z C1214 QETC1HM105Z QETC1HM105Z C1214 QETC1HM105Z QETC1HM105Z QETC1HM105Z QETC1HM105Z QETC1HM105Z QETC1HM105Z QETC1HM105Z QETC1HM105Z QETC1HM105Z QETC1HM105Z QET	THE TOURS IN A SUCCESSION OF THE TOURS IN TH
R9046 QRD161J563Y C 56KOHM, J, 1/6W C1211 NCT03CH221AY C 220PF, J, 50V R9047 QRD161J103Y C 10KOHM, J, 1/6W C1212 NCT03CH221AY C 220PF, J, 50V R9048 QRV141F1501A M 1.5KHOM, F, 1/4W C1213 NCB21HK103AY C 0.027UF, K, 50V R9050 QRD161J223Y C 22KOHM, J, 1/6W C1214 QETC1HM105Z E 1UF, M, 50V	THE POTOLS IN COLUMN TO THE POTOLS IN THE PO
R9047 QRD161J103Y C 10KOHM, J, 1/6W C1212 NCB21HK273AY C 0.027UF, K, 50V R9050 QRD161J223Y C 22KOHM, J, 1/6W C1214 QETC1HM105Z E 1UF, M, 50V C1214 QETC1HM105Z	DIET FERNY O FOROLINA I AIDM
R9048 QRV141F1501A M 1.5KHOM, F, 1/4W C1213 NCB21HK103AY C 0.01UF, K, 50V C1214 QETC1HM105Z E 1UF, M, 50V C1214 QETC1HM105Z C 0.01UF, M, 50V C1214 QETC1HM10	0161 100V 0 10VOUN 1 1/0W
R9050 QRD161J223Y C 22KOHM, J, 1/6W C1214 QETC1HM105Z E 1UF, M, 50V	OIZIZ NOBZITINZ/O/1 O 0:02/01, 11, 000
R9050 QRD161J223Y C 22KOHM, J, 1/6W C1214 QETC1HM105Z E 1UF, M, 50V	01210 NOBELLIK 100A1 0 0.0101, 11, 50V
LDOCK LODDACK 1000V LO COVOLINA I A/OW	2404 100007 0 001/01/14 1 4/014
	2404 100007 0 000701144 47044

	Ref. No.	Part No.	Description			Ref. No.	Part No.	Description							
	C1216	QETC1CM107Z	E	100UF,	М,	16V			C1457	QEN61HM105Z	E	1UF,	Μ,	50V	
	C1217	NCB21HK103AY	С	0.01UF,	K,	50V	1		C1458	QEN61HM105Z	E	1UF,	Μ,	50V	
	C1218	QEN61CM106Z	E	10UF,	Μ,	16V			C1459	QETC1HM105Z	E	1UF,	М,	50V	
	C1219	QFLC1HJ153MZ	М	0.015UF,	J,	50V			C1460	QETC1HM105Z	E	1UF,	Μ,	50V	
1 1	C1220	NCB21HK103AY	С	0.01UF,	K,	50V			C1461	QFV71HJ334MZ	P	0.33UF,	J,	50V	
	C1221	NCT03CH270AY	С	27PF,	J,	50V			C1462	NCB21HK102AY	C	1000PF,	K,	50V	
1	C1222	QAT3110300A	Т	33PF,		100V			C1463	QFV71HJ224MZ	P	0.22UF,	J,	50V	
9 1	C1223	NCT03CH270AY	С	27PF,	J,	50V			C1464	QFV71HJ224MZ	P	0.22UF,	J,	50V	
	C1224	QAT3110300A	Т	33PF,		100V			C1465	QFV71HJ224MZ	P	0.22UF,	J,	50V	
	C1225	NCT03CH470AY	С	47PF,	J,	50V			C1466	QETC1CM477Z	E	470UF,	М,	16V	
1 1	C1226	NCT03CH390AY	С	39PF,	J,	50V			C1467	NCB21HK103AY	C	0.01UF,	K,	50V	
	C1227	NCT03CH6R0AY	C	6PF,	J,	50V			C1468	QETC1CM107Z	E	100UF,	Μ,	16V	
	C1228	NCT03CH181AY	C	180PF,	J,	50V			C1469	NCB21HK103AY	C	0.01UF,	K,	50V	
	C1229	NCT03CH390AY	C	39PF,	J,	50V			C1471	QETC1HM106Z	E	10UF, 47UF,	М,	50V 16V	
	C1230 C1231	NCT03CH6R0AY NCT03CH181AY	C	6PF, 180PF,	J, J,	50V 50V			C1501 C1502	QETC1CM476Z NCB21HK103AY	C	0.01UF,	М, К,	50V	
	C1231	QETC1HM335Z	Ε	3.3UF,	о, М,	50V			C1502	QEN61CM476Z	E	47UF,	M,	16V	
	C1233	NCB21HK473AY	c	0.047UF,	ινι, Κ,	50V			C1503	QEN61HM105Z	E	1UF,	M,	50V	
	C1235	NCB21HK103AY	c	0.01UF,	K,	50V			C1505	NCB21HK222AY	c	2200PF,	к,	50V	
t I	C1236	QETC1CM476Z	E	47UF,	M,	16V	j		C1505	QETC1HM335Z	E	3.3UF,	M,	50V	
	C1237	NCB21HK103AY	c	0.01UF,	K,	50V	l		C1507	QETC1HM335Z	E	3.3UF,	М,	50V	
	C1238	NCB21HK223AY	C	0.022UF,	K,	50V	ŀ		C1508	NCB21HK103AY	c	0.01UF,	K,	50V	
	C1239	NCB21HK103AY	c	0.01UF,	K,	50V			C1509	NCB21HK103AY	c	0.01UF,	K,	50V	
	01240	NCB21HK393AY	c	0.039UF,	K,	50V			C1510	QETC1HM106Z	Ē	10UF,	M,	50V	
	C1241	QETC1HM106Z	Ē	10UF,	М,	50V			C1511	NCB21HK222AY	C	2200PF,	K,	50V	
	C1242	NCT03CH680AY	c	68PF,	J,	50V			C1512	NCB21HK102AY	C	1000PF,	K,	50V	
	C1301	QETC1CM476Z	E	47UF,	M,	16V			C1513	NCT03CH101AY	С	100PF,	J,	50V	
	C1302	QFV71HJ104MZ	P	0.1UF,	J,	50V			C1516	NCT03CH181AY	С	180PF,	J,	50V	
	C1303	QETC1HM105Z	E	1UF,	Μ,	50V			C1517	NCT03CH820AY	С	82PF,	J,	50V	
	C1304	QETC1CM476Z	E	47UF,	Μ,	16V			C1551	QETC1AM107Z	Е	100UF,	Μ,	10V	
	C1305	QETC1CM476Z	E	47UF,	Μ,	16V			C1552	NCB21HK473AY	С	0.047UF,	Κ,	50V	
	C1306	QFV71HJ104MZ	Р	0.1UF,	J,	50V			C1553	NCB21HK473AY	С	0.047UF,	K,	50V	
	C1307	QETC1HM105Z	E	1UF,	Μ,	50V			C1554	NCB21HK473AY	С	0.047UF,	K,	50V	
	C1308	QETC1CM476Z	E	47UF,	Μ,	16V			C1555	NCT03CH391AY	С	390PF,	J,	50V	
	C1309	NCT03CH8R0AY	С	8PF,	J,	50V			C1556	NCT03CH331AY	С	330PF,	J,	50V	
1 1	C1331	QETC1CM476Z	E	47UF,	Μ,	16V	l		C1557	NCB21HK222AY	С	2200PF,	K,	50V	
	01332	QFV71HJ104MZ	P	0.1UF,	J,	50V	l		C1558	NCB21HK222AY	0	2200PF,	K,	50V	
	C1333	QETC1HM105Z	E	1UF,	Μ,	50V	İ		C1559	NCT03CH180AY	C	18PF,	Н,	1.6KV	
l I	C1334	QETC1CM476Z	E	47UF,	M,	16V			C1560	QAT3110450A NCT03CH680AY	T	45PF,	J,	100V 50V	
	C1335	QETC1CM476Z	E P	47UF,	Μ,	16V			C1561		C	68PF, 270PF,		1.6KV	
	C1336 C1337	QFV71HJ104MZ	E	0.1UF,	J,	50V 50V			C1562 C1563	NCT03CH271AY NCT03CH680AY	C	270PF, 68PF,	H, J,	50V	
l I	C1338	QETC1HM105Z	E	1UF,	М, М,	16V			C1563	NCT03CH080A1	C	120PF,	J,	50V	
l I	C1361	QETC1CM476Z QETC1CM476Z	E	47UF, 47UF,	Μ,	16V			C1565	NCT03CH391AY	C	390PF,	J,	50V	
	C1362	QFV71HJ104MZ	P	0.1UF,	J,	50V			C1567	QFP31HJ153SZ	P	0.015UF,	J,	50V	
	C1363	QETC1HM105Z	E	1UF,	М,	50V			C1568	NCB21HK222AY	c	2200PF,	Κ,	50V	
	C1364	QETC1CM476Z	E	47UF,	Μ,	16V			C1508	NCB21HK472AY	C	4700PF,	K,	50V	
l I	C1365	QETC1CM476Z	E	47UF,	M,	16V			C1572	QETC1HM106Z	E	10UF,	M,	50V	
l I	C1366	QFV71HJ104MZ	P	0.1UF,	J,	50V			C1601	QEHC1CM107MZ	Ē	100UF,	M,	16V	
	C1367	QETC1HM105Z	 E	1UF,	М,	50V			C1602	NCB21HK103AY	c	0.01UF,	к,	50V	
1 1	C1368	QETC1CM476Z	E	47UF,	М,	16V			C1603	QEHC1HM105MZ	E	1UF,	M,	50V	
	C1381	QETC1CM476Z	E	47UF,	М,	16V			C1604	QETC1HM106Z	Е	10UF,	М,	50V	
	C1382	NCB21HK473AY	c	0.047UF,	K,	50V			C1605	QFV71HJ104MZ	Р	0.1UF,	J,	50V	
1	C1383	NCB21HK103AY	c	0.01UF,	ĸ,	50V			C1607	QEHC1CM227MZ	E	220UF,	M,	16V	
	C1401	QETC1CM476Z	E	47UF,	M,	16V			C1608	QETB1EM228	Е	2200UF,	Μ,	25V	
	C1402	NCB21HK103AY	C	0.01UF,	K,	50V]		C1609	QETC1HM106Z	E	10UF,	Μ,	50V	
	C1403	QEN61HM105Z	E	1UF,	Μ,	50V			C1610	QFV71HJ104MZ	Р	0.1UF,	J,	50V	
	C1404	QETC1HM105Z	E	1UF,	М,	50V			C1611	NCB21HK333AY	С	0.033UF,	K,	50V	
	C1405	QETC1HM105Z	E	1UF,	Μ,	50V			C1612	QEHC1HM475MZ	Ε	4.7UF,	Μ,	50V	
	C1406	QFV71HJ104MZ	Р	0.1UF,	J,	50V			C1702	QFLC1HK473MZ	М	0.047UF,	K,	50V	
	C1407	QFV71HJ104MZ	Р	0.1UF,	J,	50V			C2301	QFLC1HJ102MZ	M	1000PF,	J,	50V	
i I	C1408	QETC1HM105Z	E	1UF,	Μ,	50V			C2302	QEHC1HM106MZ	E	10UF,	Μ,	50V	
	C1409	QETC1HM105Z	E	1UF,	Μ,	50V	ļ	l	C2303	QFZ01174701S	P	4700PF,		2KV	
	C1410	QFV71HJ104MZ	P	0.1UF,	J,	50V			C2304	QEHC1HM476MZ	E	47UF,	М,	50V	
	C1451	QETC1CM476Z	E	47UF,	М,	16V	l		C2305	QEN61CM106Z	E	10UF,	М,	16V	
1 1	C1452	NCB21HK103AY	C	0.01UF,	K,	50V			C2402	QFLC1HJ823MZ	М	0.082UF,	J,	50V	
I I	C1453	NCB21HK473AY	C	0.047UF,	K,	50V			C2403	QETC1HM475Z	E	4.7UF,	М,	50V	
	C1454	NCB21HK473AY	C	0.047UF,	K,	50V	1		C2406	QEHC1CM107MZ	E	100UF,	М,	16V	
	C1455 C1456	QETC1HM105Z QEN61HM105Z	E	1UF,	М,	50V			C2408	QEHC1HM227MZ	E	220UF,	М,	50V	
	U 1400	GENOTHINITUSE	=	1UF,	М,	50V									
							ŀ								

	Ref. No.	Part No.		Des	scrip	tion		Ref. No.	Part No.	Description			tion	
	C2409	QFV71HJ104MZ	Р	0.1UF,	J,	50V		C5102	NCB21HK103AY	С	0.01UF,	K,	50V	
	C2410	QFLB2AK154M	М	0.15UF,	K,	100V	i	C5103	NCF21HZ104AY	С	0.1UF,	Z,	50V	
İ	C2411	QCS31HJ821AZ	С	820PF,	J,	50V		C5104	NCF21HZ104AY	C	0.1UF,	Z,	50V	
1	C2412	QFLC2AJ102MZ	М	1000PF,	J,	100V		C5105	NCB21HK103AY	C	0.01UF,	K,	50V	
	C2413 C2414	QFLC1HJ153MZ QCS32HJ330AZ	M C	0.015UF, 33PF,	J,	50V 500V		C5106 C5107	NCB21HK103AY NCB21HK103AY	C	0.01UF, 0.01UF,	K, K,	50V 50V	
1	C2414 C2415	QEHC1VM107MZ	E	100UF,	J, M,	35V		C5107	NCB21HK103AY	c	0.01UF,	K,	50V	
1	C2416	QEHC1EM108MZ	E	1000UF,	м,	25V		C5109	NCB21HK103AY	c	0.01UF,	K,	50V	
1	C2417	QEHC1EM108MZ	E	1000UF,	M,	25V		C5110	NCF21HZ104AY	С	0.1UF,	Z,	50V	
	C2418	QEHC1EM477MZ	E	470UF,	Μ,	25V		C5111	NCF21HZ104AY	C	0.1UF,	Z,	50V	
	C2419	QEHC1EM227MZ	E	220UF,	Μ,	25V		C5112	NCF21HZ104AY	С	0.1UF,	Z,	50V	
-	C2420	QEHC1CM337MZ	E	330UF,	М,	16V		C5113	QEKC1CM476MZ	E	47UF,	М,	16V	
	C2421	QEHC1EM477MZ	E	470UF,	Μ,	25V		C5114	NCT03CH330AY	C	33PF,	J,	50V	
	C2422	QEHB1VM108M QEHC1CM107MZ	E	1000UF,	М, М,	35V 16V		C5116 C5117	NCF21HZ104AY QEKC0JM107MZ	C	0.1UF, 100UF,	Z, M,	50V 6.3V	
	C2423 C2501	QETC1CM107MZ	E	100UF, 100UF,	M,	16V 16V		C5117	NCF21HZ104AY	C	0.1UF,	νι, Ζ.	50V	
1	C2502	QFP31HJ332SZ	Р	3300PF,	J,	50V	ŀ	C5119	QEKÇ0JM107MZ	E	100UF,	<u>-</u> , М,	6.3V	
	C2503	QFLC1HJ222MZ	м	2200PF,	J,	50V		C5120	NCF21HZ104AY	c	0.1UF,	Z,	50V	
	C2504	QFV71HJ824MZ	F	0.82UF,	J,	50V		C5121	QEKC0JM107MZ	E	100UF,	M,	6.3V	
	C2505	QFLC1HJ822MZ	М	8200PF,	J,	50V		C5122	NCF21HZ104AY	C	0.1UF,	Z,	.50V	
1	C2511	QFLC1HJ563MZ	М	0.056UF,	J,	50V		C5123	QEKC1CM476MZ	E	47UF,	М,	16V	
1	C2512	QFLC1HJ153MZ	М	0.015UF,	J,	50V		C5124	NCF21HZ104AY	C	0.1UF,	Z,	50V	
1	C2513	QCS32HJ471AZ	C	470PF,	J,	500V		C5126	NCF21HZ104AY	C	0.1UF,	Z,	50V	
	C2514 C2519	QFLC2AK104MZ QFZ0119105S	M P	0.1UF, 1UF,	K,	100V 200V		C5127 C5128	NCT03CH7R0AY NCF21HZ104AY	C	7PF, 0.1UF,	J, Z,	50V 50V	
	C2519 C2520	QFZ0119105S QFZ0119304S	P	0.3UF,		200V 200V		C5128	NCF21HZ104AY	C	0.1UF,	z, Z,	50V	
43	C2524	QFLC1HK104MZ	м.	0.1UF,	K,	50V		C5201	QEKÇ1HM105GM	E	1UF,	<u>-</u> , М,	50V	
Δ	C2525	QFZ01172001S	P	2000PF,	,	1.4KV		C5202	QEKC1HM105GM	E	1UF,	M,	50V	
_	C2526	QEHC1EM108MZ	E	1000UF,	Μ,	25V		C5203	QEKC1HM105GM	E	1UF,	Μ,	50V	
	C2527	QFLC1HJ473MZ	М	0.047UF,	J,	50V		C5301	QEKC1CM106GM	E	10UF,	Μ,	16V	
	C2528	QEHC1CM108MZ	E	1000UF,	Μ,	16V		C5302	QEKC1HM224GM	E	0.22UF,	Μ,	50V	
١.	C2529	QEHC1EM108MZ	E	1000UF,	М,	25V		C5303	NCB21HK223AY	C	0.022UF,	K,	50V	
ļΔ	C2530	QFZ01177001S	Р	7000PF,		1.4KV		C5304	QEKC1HM105GM	E	1UF, 1UF,	М, М,	50V 50V	
Δ	C2531 C2532	QFZ01174701S QFZ01177001S	P P	4700PF, 7000PF,		2KV 1,4KV	ĺ	C5401 C5402	QEKC1HM105GM QEKC1HM105GM	E	10F, 1UF,	M,	50V 50V	
45	C2532	QEHC1EM108MZ	E	1000UF,	М,	25V		C5403	QEKC1HM105GM	E	1UF,	M,	50V	
	C2538	QEZ0195475MZ	E	4.7UF,	М.	50V		C6201	QEKC1HM475GM	E	4.7UF,	M,	50V	
	C2539	QEHB1CM228M	Е	2200UF,	M,	16V		C6202	QCS31HJ101AZ	С	100PF,	J,	50V	
	C2540	QETC1AM228Z	E	2200UF,	M,	10V		C6203	QEKC1CM336MZ	Е	33UF,	М,	16V	
	C2541	QETC1CM337Z	E	330UF,	Μ,	16V		C6205	QEKC1HM475GM	Ε	4.7UF,	Μ,	50V	
	C2555	QCT25CH470Z	С	47PF,	J,	50V		C6206	QCS31HJ101AZ	С	100PF,	J,	50V	
	C2556	QCT25CH680Z	С	68PF,	J,	50V		C6207	QEKC1CM336MZ	E	33UF,	Μ,	16V	
	C2557 C2558	QCT25CH560Z QFV71HJ104MZ	C	56PF,	J, J,	50V 50V		C6210 C6220	QCS31HJ101AZ QEKC1HM475GM	C	100PF, 4.7UF,	J, M,	50V 50V	
1	C2559	QETC1CM107Z	E	0.1UF, 100UF,	о, М,	16V	ŀ	C6221	QCS31HJ101AZ	C	100PF,	J,	50V	
	C2561	QEN61HM474Z	Ē	0.47UF,	M,	50V		C6230	QFLC1HJ333MZ	М	0.033UF,	J,	50V	
	C2562	QEN61HM475Z	Ē	4.7UF,	М,	50V		C6231	QFLC1HJ333MZ	М	0.033UF,	J,	50V	
	C2601	QFLC1HJ103MZ	м	0.01UF,	J,	50V		C6281	QEKC1CM107MZ	Ε	100UF,	M,	16V	
	C2602	QEHC1CM107MZ	E	100UF,	М,	16V		C6282	QEKC1CM107MZ	Ε	100UF,	M,	16V	
	C2603	QFV71HJ104MZ	P	0.1UF,	J,	50V		C6283	QEKC1CM107MZ	E	100UF,	M,	16V	
	C2701	QETC1HM106Z	E	10UF,	М,	50V		C6284	QEKC1CM107MZ	E	100UF,	M,	16V	
	C2702	QEHC1HM107MZ	E	100UF,	M,	50V	i	C6285	QETC1CM476Z QFLC1HJ103MZ	E M	47UF, 0.01UF.	М, J,	16V 50V	
	C2703 C2704	QEHC1CM337MZ QEHC1EM107MZ	E	330UF, 100UF.	М, М,	16V 25V		C6301 C6302	QCS31HJ101AZ	C	100PF,	J, J,	50V 50V	
	C2704 C2705	QEN61EM107MZ	E	100UF,	M,	25V 25V		C6601	QCS31HJ181AZ	c	180PF,	J,	50V	
	C2801	QEHB1VM108M	Ē	1000UF,	M,	35V		C6602	QCS31HJ181AZ	С	180PF,	J,	50V	
1	C3301	QCS31HJ221AZ	c	220PF,	J,	50V		C6603	QETC1HM105Z	E	1UF,	M,	50V	
	C3302	QCS31HJ221AZ	С	220PF,	J,	50V		C6604	QCS31HJ390AZ	С	39PF,	J,	50V	
	C3303	QCS31HJ181AZ	С	180PF,	J,	50V		C6605	QCS31HJ181AZ	С	180PF,	J,	50V	
	C3313	QFLC1HJ122MZ	М	1200PF,	J,	50V		C6611	QC\$31HJ181AZ	C	180PF,	J,	50V	
	C3321	QETC2EM105Z	E	1UF,	Μ,	250V		C6612	QCS31HJ181AZ	C	180PF,	J,	50V	
	C3501	QETC2EM105Z	E	1UF,	M,	250V		C6613	QETC1HM105Z	E	1UF, 39PF,	М, Ј,	50V 50V	
	C3503 C3504	QCZ0121102M QFLC1HJ333MZ	С М	1000PF, 0.033UF,	Р, J,	3KV 50V		C6614 C6615	QCS31HJ390AZ QCS31HJ181AZ	C	39PF, 180PF,	J, J,	50V 50V	
	C3504 C3505	QFP32GK563M	P	0.0330F, 0.056UF,	Ј, К,	50V 400V		C6621	QCS31HJ181AZ	C	180PF,	J, J,	50V 50V	
	C3505	QCS31HJ561AZ	င်	560PF,	J,	50V		C6622	QCS31HJ181AZ	С	180PF,	J,	50V	
1	C4101	QEKC0JM107MZ	Ē	100UF,	M,	6.3V		C6623	QETC1HM105Z	E	1UF,	M,	50V	
	C4102	QCZ0207104AZ	С	0.1UF,	Z,	50V		C6624	QCS31HJ390AZ	С	39PF,	J,	50V	
	C5101	QEKC1CM476MZ	Ε	47UF,	M,	16V		C6625	QCS31HJ181AZ	С	180PF,	J,	50V	
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	Ref. No.	Part No.		De	scrip	tion		Ref. No.	Part No.	Description
	C6630	QCS31HJ181AZ	c	180PF,	J,	50V			OTHERS]
	C6641 C6701	QETC1CM107Z QETC1HM475Z	E	100UF, 4.7UF,	М, М,	16V 50V]
	C6702	QCS31HJ101AZ	c	100PF,	J,	50V			CST8.00MTW	CRYSTAL
	C6703	QCS31HJ101AZ	С	100PF,	J,	50V			CHA401N25P-J CHA401N25P-J	CONNECTOR
1	C6704	QETC1CM476Z	E	47UF,	Μ,	16V		1	CHA401N25R-J	CONNECTOR
	C6707 C6711	QETC1CM476Z QETC1HM475Z	E	47UF, 4.7UF,	М, М,	16V 50V	Δ	l	ICP-N75-Y	PROTECTOR
	C6712	QCS31HJ101AZ	C	100PF,	J,	50V		I .	CE41577-002	DELAY LINE
	C6713	QCS31HJ101AZ	C	100PF,	J,	50V		DL1102 DL1201		DELAY LINE DELAY LINE
	C6714 C6715	QETC1CM476Z QCS31HJ101AZ	E	47UF, 100PF,	M, J,	16V 50V	Δ	F9001	QMF51E2-4R0S	FUSE (4A)
	C6717	QETC1HM106Z	E	100PF, 10UF,	J, M,	50V		J6201	CEMB010-004	BNC CONNECTOR
ļ	C6718	QCS31HJ101AZ	С	100PF,	J,	50V		J6202	CEMB010-004	BNC CONNECTOR
	C6721	QCS31HJ150AZ	С	15PF,	J,	50V		J6301 J6302	QMCC006-C01 QMCC006-C01	CONNECTOR
	C6722 C6723	QCS31HJ820AZ QCS31HJ221AZ	C	82PF,	J,	50V 50V		J6601	CEMN070-001	JACK
	C6731	QETC1HM475Z	E	220PF, 4.7UF,	J, M,	50V 50V		J6602	CEMN070-001	JACK
	C6732	QCS31HJ101AZ	С	100PF,	J,	50V		J6603 J6701	CEMN070-001 CEMB010-004	JACK BNC CONNECTOR
	C6733	QCS31HJ101AZ	С	100PF,	J,	50V		J6702	CEMB010-004 CEMB010-004	BNC CONNECTOR
	C6734 C6735	QETC1CM476Z QCS31HJ101AZ	E	47UF, 100PF,	M, J,	16V 50V		J6801	QMCC502-C01	JACK
	C6737	QETC1HM106Z	E	100FF,	Э, М,	50V		K9902	CE41923-001	CORE
	C6738	QCS31HJ101AZ	С	100PF,	J,	50V		K9903 K9905	CE41923-001 CE42050-001Z	CORE
	C6741	QCS31HJ150AZ	С	15PF,	J,	50V	Δ	LF9001	CE42030-0012 CE41775-003	LINE FILTER
	C6742 C6743	QCS31HJ820AZ QCS31HJ221AZ	C	82PF, 220PF,	J, J,	50V 50V	Δ	LF9002	CE41775-003	LINE FILTER
	C6751	QEKC1HM475GM	E	4.7UF,	М.	50V	Δ	PC9001	CNY17F-C1	PHOTO COUPLER
	C6752	QCS31HJ101AZ	С	100PF,	J,	50V		RTL RTL	FX-M004A FX-1072A	CIRCUIT BOARD (V. SAW MODULE) CIRCUIT BOARD (SIGNAL)
	C6781	QETC1CM227Z	E	220UF,	М,	16V		RTL	FX-1072A FX-2033A	CIRCUIT BOARD (DEFLECTION)
	C6783 C6784	QFLC1HJ104MZ QFLC1HJ104MZ	М М	0.1UF, 0.1UF,	J, J,	50V 50V		RTL	FX-3037A	CIRCUIT BOARD (CRT SOCKET)
	C6785	QETC1CM107Z	E	100UF,	о, М,	16V		RTL	FX-4039A	CIRCUIT BOARD (FRONT CONTROL)
Δ	C9001	QCZ9033472A	C	4700PF,	М,	125V		RTL RTL	FX-5019A FX-6053A	CIRCUIT BOARD (MICOM) CIRCUIT BOARD (INPUT)
ĮΔ	C9002	QCZ9033472A	С	4700PF,	Μ,	125V		RTL	FX-9043A	CIRCUIT BOARD (POWER)
	C9003 C9004	QFZ9035474M QFZ9035474M	M M	0.47UF, 0.47UF,	М, М,	125V 125V	Δ	RY9002	CESK026-001	RELAY
$\overline{\Delta}$	C9005	QCZ9033472A	С	4700PF,	М,	125V		S2501	QSS1F22-C09	PUSH SWITCH
Δ	C9006	QCZ9033472A	С	4700PF,	Μ,	125V		S4101 S4102	QSTL535-C01 QSTL535-C02	PUSH SWITCH PUSH SWITCH
	C9007 C9009	QCZ9033332A QCZ9033332A	CC	3300PF,	M,	125V		S4103	QSP4H11-C12Z	PUSH SWITCH
	C9009	QEZ0144477R	E	3300PF, 470UF,	М, М,	125V 400V		S4104	QSP4H11-C12Z	PUSH SWITCH
	C9012	QCY32HK103A	С	0.01UF,	K,	500V		S4105	QSP4H11-C12Z	PUSH SWITCH
	C9013	QCY32HK103A	С	0.01UF,	K,	500V		S4106 S4107	QSP4H11-C12Z QSP4H11-C12Z	PUSH SWITCH PUSH SWITCH
	C9018 C9019	QEHC1HM226MZ QFP31HJ152SZ	P	22UF, 1500PF,	М, Ј,	50V 50V		S4108	QSP4H11-C12Z	PUSH SWITCH
	C9020	QEHC1HM105MZ		1500FT, 1UF,	о, М,	50V		S4109	QSP4H11-C12Z	PUSH SWITCH
	C9021	QFLC1HJ103MZ	М	0.01UF,	J,	50V		S6201 S6202	QSS4C22-C02 QSS4C22-C02	SLIDE SWITCH SLIDE SWITCH
	C9022	QEHC1HM475MZ	E	4.7UF,	М,	50V		S6203	QSS4C22-C02	SLIDE SWITCH
	C9023 C9024	QFLC1HJ222MZ QCS31HJ121MZ	M C	2200PF, 120PF,	J, J,	50V 50V		S6701	QSS4C22-C02	SLIDE SWITCH
	C9025	QEHC1EM107MZ	E	100UF,	М,	25V		S6702	QSS4C22-C02	SLIDE SWITCH
	C9026	QFLC1HJ473MZ	М	0.047UF,	J,	50V		S6703 S6704	QSS4C22-C02 QSS4C22-C02	SLIDE SWITCH SLIDE SWITCH
	C9027	QEN61HM105Z	E	1UF,	М,	50V	Δ	SK3001	CE42446-001	CRT SOCKET
	C9029 C9036	QFLC1HJ472MZ QFLC1HJ103MZ	M M	4700PF, 0.01UF,	J, J,	50V 50V	Δ	SW01	QSP4D21-C06	PUSH SWITCH
	C9038	QEHB1EM338M	E	3300UF,	М,	25V	⚠	TH9001	CEKP009-001	THERMISTOR
	C9039	QEHB1EM228M	Е	2200UF,	Μ,	25V	Δ	VA9001 X1201	ERZC10VK621G CE40668-001	VARISTOR CRYSTAL
	C9040	QETC1AM227Z	E	220UF,	М,	10V		X1201	CE41953-001	CRYSTAL OSC
	C9043 C9044	QETC1AM107Z QETC1HM476Z	E	100UF, 47UF,	М, М,	10V 50V				
	C9046	QEHB2CM227M	E	220UF,		160V				
	C9049	CEX41161-001		CTROLYTIC						
	C9050	CEX41161-001		CTROLYTIC						
	C9051 C9516	CEX41161-001 QETB2AM477	ELL	CTROLYTIC 470UF,		100V				
	C9517	QETB2AM477	E	470UF,		100V				

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